

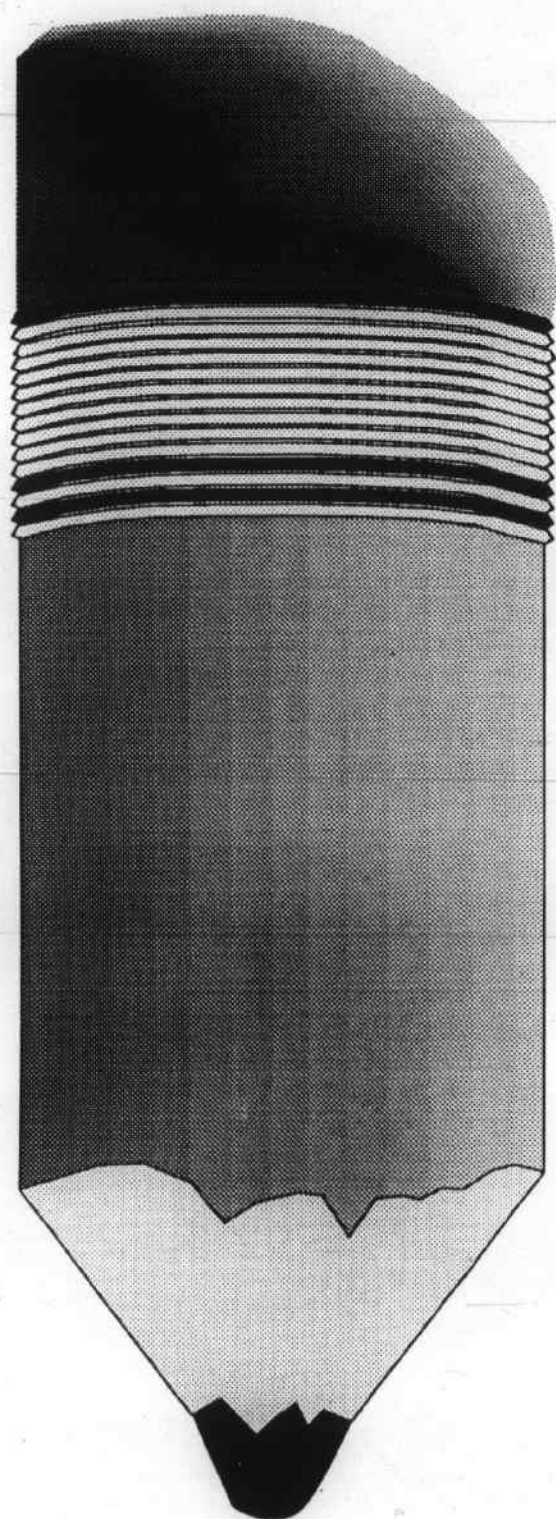
# The Breeze

THURSDAY, APRIL 26, 1990

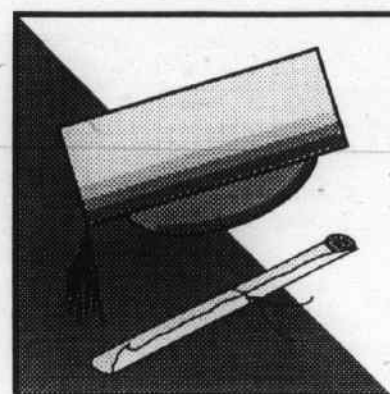
JAMES MADISON UNIVERSITY

VOL. 67 NO. 53

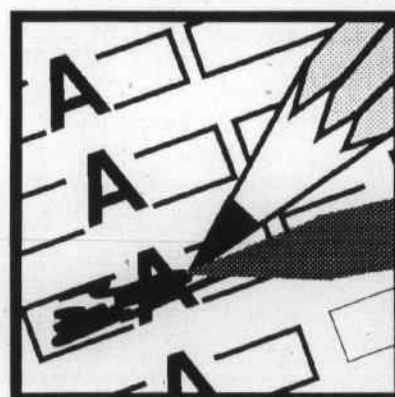
## Exam Week Survival Kit



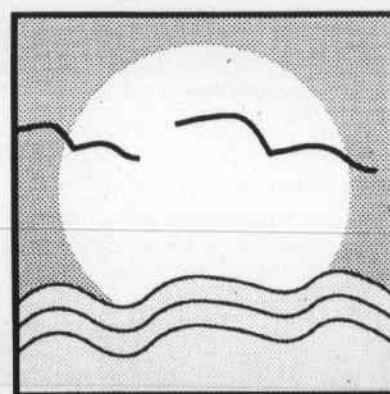
**Graduation**



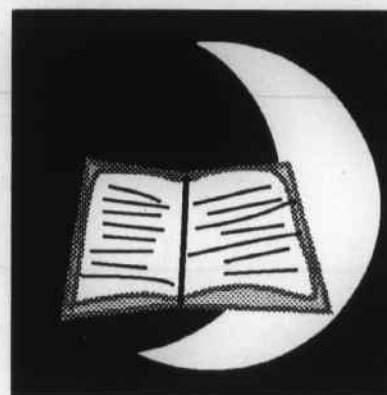
**Exams**



**Summer**



**All-  
nighters**



**Coupons**



Staff graphics by Lee Costic, Stephen Rountree and Ellen Stern

### Indicted:

Tommy David Strickler and Ronald Lee Henderson were indicted on capital murder charges Monday by an Augusta County grand jury in connection with the death of JMU student Leann Whitlock. See story on page 3.



Do not read until midnight

# At term's end, it's time for all-nighters

By Matt Wasniewski  
sports editor

At 12:09 a.m., paper-writing season is nine minutes old, and the Sunrise Society has gathered and is hard at work.

The local chapter of the Society congregates around the Mac screens in the Breeze office. The majority of them are a bunch of over-worked, stressed-out journalists.

Fifteen people are gathered in the basement of Anthony-Seeger, hunting and pecking at keyboards for a number of reasons. Some are working on *Decade*, *The Breeze* Supplement. Others work on ads. But the vast majority are wondering aloud, with noses in books, why they've procrastinated so long and now are left to write their history, English or communication papers.

## COMMENTARY

Across campus the dull hum of electric typewriters can be heard, cranking out page after page of last-minute papers as the semester comes to a close.

The authors frantically consume Coke, coffee, Jolt Cola and No Doz in an effort to keep their eyes open.

Your typical all-night puller is a notorious procrastinator and usually, in editorial editor Dave Noon's words, "a high-pressure dude." The one thing they all have in common is that most will be up for the duration of the night.

Back at the office, half the people have cleared out by 1 a.m. The supplement people have decided that a night's worth of sleep is more important. Besides, their last deadline isn't until Wednesday. That leaves the paper writers.

Dave is working on an English paper about Mary Magdalene. On his desk are a half empty bottle of aspirin, a Bible and the novel, "The Last Temptation of Christ."

On the bulletin board above his desk in big print are the words, "Earth Day is a Fraud."

Dave is not in a particularly good mood.

"Pain, pain, pain," says Noon about the all-nighter. "It's all 'bout the knowledge that there are only 24 hours in a day and knowing that you can't do a thing about it."

By 1:30 a.m., Meghan, Joel, K.K. and Lee have departed, bidding all left in the office a sarcastic farewell.

Editor Laurel Wissinger is writing about the role of



Staff graphic by STEPHEN ROUNTREE

children in Mark Twain's books. Somehow — don't ask her how — she's tying in Whitney Houston's *The Greatest Love of All* into the overall theme.

News editor Wendy Warren is writing a 10-page paper on 20 lines from *A Midsummer Night's Dream*. She's planning to print it out in "gigantic megatext" to fill as much space as she can.

Assistant business manager Jen Powell is writing on Pearl Harbor for a history class, placing the blame for the catastrophe in FDR's lap.

Assistant features editor Christy Mumford's writing on Earth Day and having some trouble coming up with sources. It's only after her paper is done that she realizes the *Time* placed inadvertently on her desk has a 10-page spread on Earth Day.

As the minutes drag into hours, the first thing to go is simple motor skills — like talking without slurring. Words like "stupendous" become gross mutations like "suspensious." Concentration span slacks off to about half a minute.

By 2 a.m. a couple of the all nighters have borrowed a Nerf basketball hoop from the ads office and are about to play one-on-one Michael vs. Magic.

Nerf basketball is, without question, one of the great pastimes of all nighters around the world.

Some others include late night golfing — often

pretending to be on the 12th hole at Augusta. [In reality, chipping a Nerf ball into the kitchen sink with a pitching wedge.]

But on this night, the Sunrise Society is more than content to pitter away time with their little hoop and a taped up paper ball.

After a few tom-o'-hawk dunks and free-throw shots on the 7 1/2 foot rim it's time to get back to papers. Leave the one-on-one game for later.

By 3 a.m. the natives have grown restless. And it appears the early morning foray to the Waffle House is an absolute necessity. The eyes are getting tired and the last two or three pages of each paper are like computer hieroglyphics.

Five people climb into Wendy's car in search of waffles. After a quick stop at the money machine, the little band of paper-writers slide into a booth at the far end of the restaurant. There's a couple of students and some truck drivers sitting near the cash register, talking to the chef and waitress.

The latter comes over and says, "How ya'll doin'?"

"Pretty crappy," Noon says. He turns around to address everyone at the table. "Let's be honest. It's almost 4 a.m. and we're all up doing papers."

Everyone nods in agreement.

Coffee is the first thing ordered. Then eggs, sausage, bacon and waffles. Dave gets a patty melt, not able to decide on a true breakfast or dinner food. The talk ranges far and wide, but degenerates into three recurring themes: sex, drinking and death.

It seems everyone's got a drinking tale stashed away for these late night rap sessions. The Waffle House crew is no exception. There is the tale of getting drunk on Christmas Eve just before church, getting loaded with the family and the tried and true 'The first time I got drunk' stories.

Jen talks about an obscene plant she used to have. It's dead now, but it'll come back next spring, she says.

Wendy, in a fit of early morning philosophy, decides that Southern people have a preponderance with death. She cites examples from her home life in Roanoke. Christy, who lives somewhere on the Virginia/North Carolina border, agrees. Jen, a

## The Breeze

Founded 1922

To the press alone, chequered as it is with abuses, the world is indebted for all the triumphs which have been gained by reason and humanity over error and oppression."  
James Madison

The Breeze is published Monday and Thursday mornings and distributed throughout JMU.

Mailing address is The Breeze, Communication Department, JMU, Harrisonburg, Va. 22807.

For advertising, call 568-6596. For editorial offices, call 568-6127.

Comments and complaints should be directed to Laurel Wissinger, editor.

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# NEWS

## Strickler, Henderson indicted with murder in Whitlock case

*Editor's note: Although this is a special exam-week supplement of The Breeze, the following story is included because of its particular campus news value.*

By Ian Record  
police reporter

An Augusta County grand jury indicted Tommy David Strickler and Ronald Lee Henderson on capital murder charges Monday in connection with the January death of JMU student Leann Whitlock.

If convicted, the men could be sentenced to death, or life imprisonment.

These indictments mark the first murder charges in the case.

In February, Strickler and Henderson were indicted on abduction and robbery charges related to the death of Whitlock, whose body was discovered Jan. 13 in a wooded area about five miles north of Waynesboro. The charges stated the abduction and robbery were performed "with the intent to extort money or other pecuniary benefits, or with the intent to defile Leann Whitlock."

Augusta County Commonwealth's Attorney A. Lee Ervin said Tuesday that the capital murder indictments were brought after results of certain forensics tests were determined.

He would not release the tests or the test results.

He also would not comment on the cause of Whitlock's death and would not say if rape was involved.

According to Virginia law, a capital murder charge can be brought either in the commission of a robbery or certain other felonies, or when a law enforcement officer is murdered while on duty.

Strickler's trial is set for June 18 through 21 in Augusta County Circuit Court, Ervin said. Strickler, 24, will be tried on the abduction and robbery charges as well as the capital murder charge.

Strickler previously had been scheduled to go on trial for the abduction and robbery charges May 30 through 31.

The cases are being handled in Augusta County because the body was discovered there. Authorities also said they are still unsure where the murder took place.



Photos courtesy of Harrisonburg City Police

**Murder suspect:** Ronald Lee Henderson, 24, is still at large. He is a white male, 5-foot-9, about 190 pounds, with dark hair and dark eyes. He is known to appear with and without a beard.

Strickler said in a *Daily News-Record* interview two weeks ago he was not in any way involved in the death of Whitlock, a sophomore psychology major from Roanoke.

Strickler, who is being held in the Augusta County jail, said in the interview that he is worried about being framed by Henderson.

Henderson, 24, of Frost, W. Va., is still at large. He faces a charge of grand larceny in Rockingham County in addition to the murder, robbery and abduction charges in Augusta County. He also faces a federal charge of flight to avoid prosecution brought by the FBI.

While abduction and robbery charges against Strickler have been suspended in Rockingham County, the same charges in the area against Henderson are still pending.

Henderson reportedly called his family in West Virginia in February and told them he was in Nevada trying to locate his sister. Troy Henderson, Ronald's father, said Henderson voiced his worry over being

framed by Strickler and the third suspect in the case, Donna Kay Maddox Tudor.

Tudor, 25, of Craigsville, was arrested Jan. 12 and charged in Rockingham County with grand larceny in connection with the theft of the car Whitlock was last seen driving. Tudor was released on her own recognizance Jan. 22 and is scheduled for a preliminary hearing in Rockingham County District Court Sept. 26.

No further charges are expected against Tudor, Ervin said.

Leann Whitlock was reported missing Jan. 5 by her boyfriend, John Dean, after she failed to pick him up from Valley Mall, where he worked. Whitlock was last seen driving Dean's car, which was found Jan. 12 in the parking lot of Bethlehem United Church of Christ in Rockingham County.

Ronald Lee Henderson is described as a white male, 5-foot-9, about 190 pounds, with dark hair, dark eyes. He is known to appear both with and without a beard.

**Murder suspect:** Tommy David Strickler, 24, walks to Rockingham County Jail with Rockingham County Sheriff's Detective Carter Ritchie and Capt. Nelson Herring earlier this year.

He is now being held in the Augusta County Jail in connection with the murder of JMU sophomore Leann Whitlock. Strickler, however, said in a interview with the Harrisonburg *Daily News-Record* two weeks ago that he may have been framed.

He will be tried on his previous robbery and abduction charges as well as Monday's murder charge during a trial starting June 18.

Photo courtesy of the *Daily News-Record*



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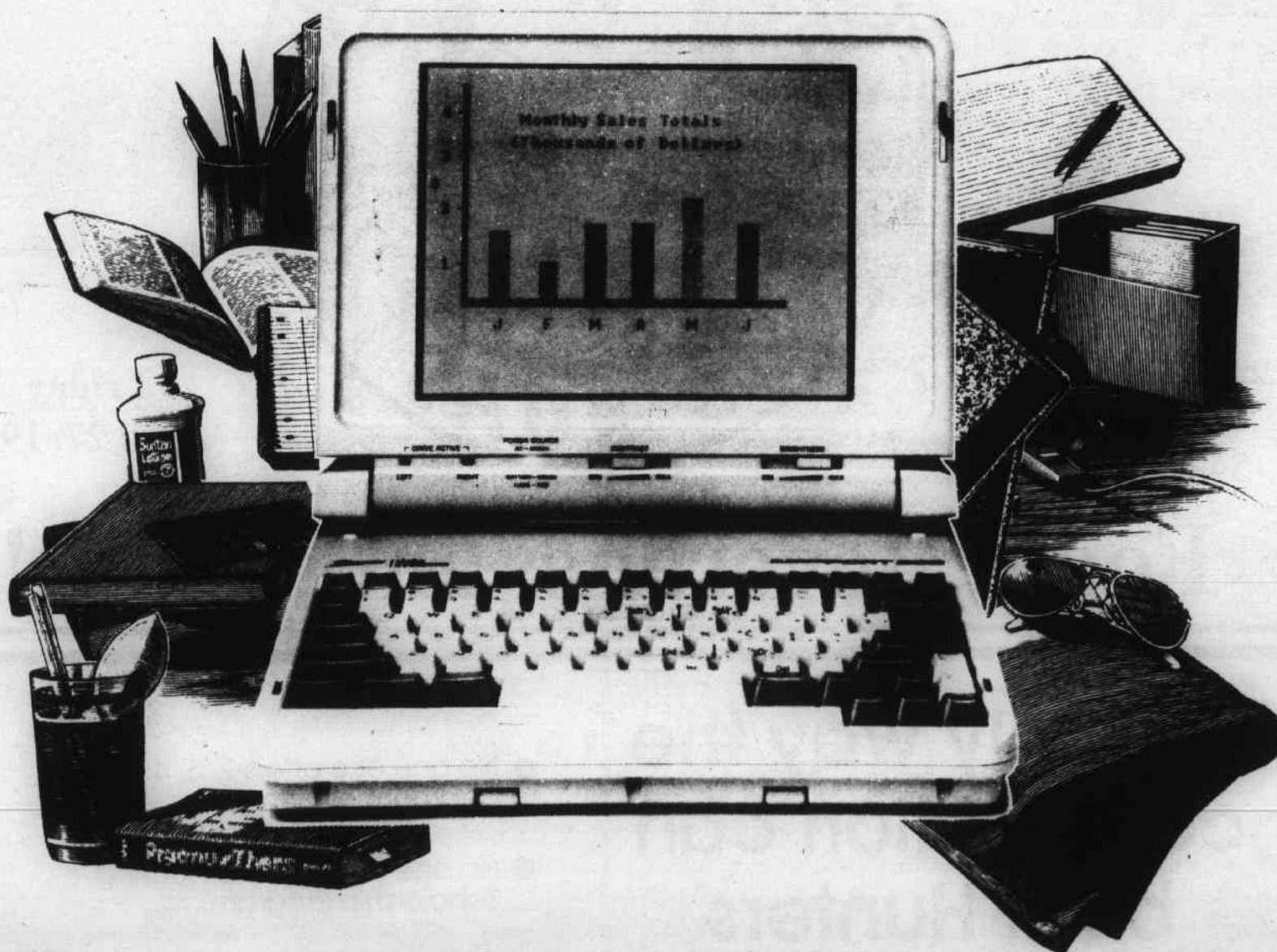
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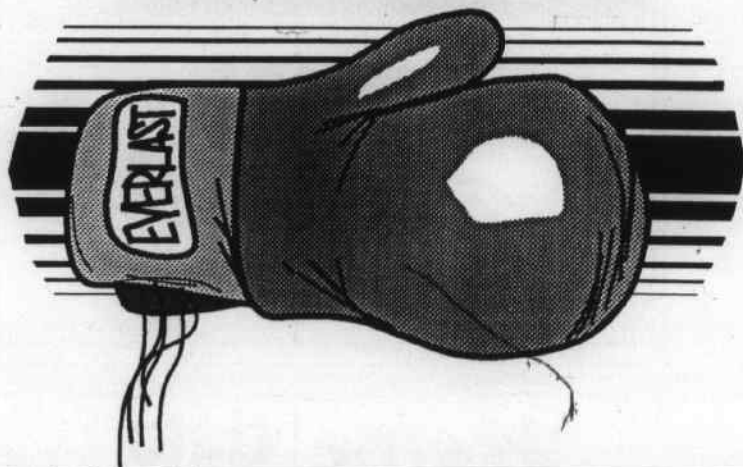
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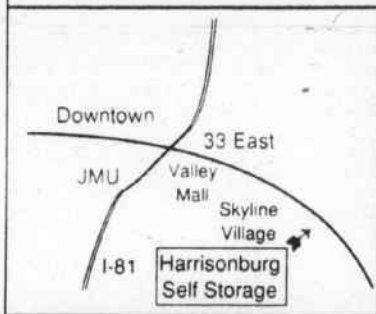
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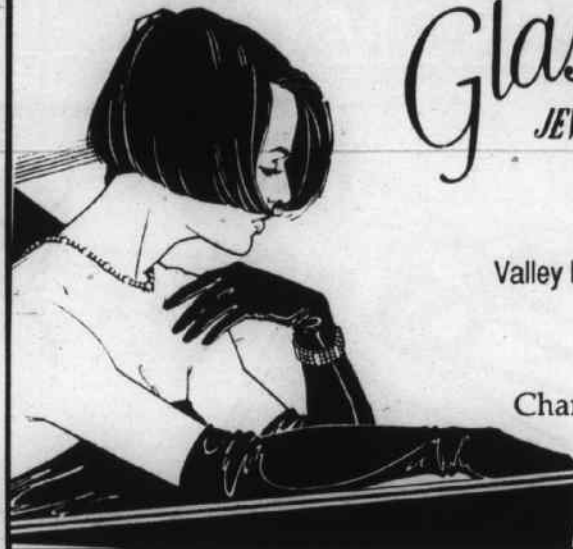
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for just  
**\$8.00**

One coupon per order. Not good with any other offer.

**MONDAY**  
4/30 ONLY

**SAVE \$2.85**

**MONDAY MADNESS**  
Large 1-Item  
Pizza, plus  
4 Cokes. Just...  
**\$10.00**

Good 4 to 9PM only.  
One coupon per order. Not good with any other offer.

**TUESDAY**  
5/1 ONLY

**SAVE \$1.25**

**ALMOST THERE**  
Get a Medium  
1-Item Pizza  
plus 1 Coke  
for just  
**\$6.95**

One coupon per order. Not good with any other offer.

**WEDNESDAY**  
5/2 ONLY

**SAVE \$1.00**

**SURVIVOR**  
Get a Medium  
1-Item Pizza  
for just  
**\$6.55**

One coupon per order. Not good with any other offer.

- Coupons good only on nights indicated.
- Prices quoted include tax.

- Drivers carry less than \$20.00.
- Delivery area limited to ensure safe driving.

**433-2300**  
31 Miller Circle

IT'S TIME  
FOR  
DOMINO'S PIZZA.™

**433-3111**  
22 Terri Drive



# These Will Drive You Away From College.



## **JKJ Expands Special Auto Financing For Graduates... Plus a \$600 Rebate!**

The Class of '90 has a big advantage. More of you can finance a car than ever before. At JKJ. We offer a College Graduate Financing Program to help you buy or lease a car. Just meet a few financing requirements. Then choose from our huge selection. This year and two-year Associate program graduates can participate. As well as graduates of four-year and advanced degree programs.

**You Don't Need A Credit History To Qualify.** You can buy or lease your car six months before graduation day. Or up to a year after. You'll get a great new car. And you'll take your first step toward establishing the solid credit record you'll need for major purchases in the years ahead.

## **\$600 REBATE When You Call Today!**

It's just our way of saying "Congratulations!" Here's to a long history of safe, enjoyable driving and quality service from JKJ. Offer good on all domestic cars and trucks at the JKJ locations listed below. Stop by today.

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- Roommate service available

For leasing information call:

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## Ciro's Pizza

778 E. Market St.

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Ciro's Pizza \$5.49

**16"** Large Cheese Pizza

Expires 4/30/90  
Not valid for delivery

Ciro's Pizza \$6.99

**16"** Large Two Topping Pizza

Expires 4/30/90  
Not valid for delivery

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### MINI STOR•IT

STUDENT STORAGE

10% Discount  
with student I.D.  
until Sept. 30 '90

WELCOME BACK STUDENTS!

U - STOR•IT  
U - LOCK IT  
U - KEEP KEY

Rent Your Own  
Storage Space

**433-1234**

Across From Dukes Plaza on S. Main St.



## Fat Tuesday's RAW BAR

No Ya's Best  
Live Entertainment!

10673 BRADDOCK RD. UNIVERSITY MALL Lower Level  
FAIRFAX, VA

.....  
**COLLEGE NIGHT!**  
**EVERY SUNDAY**

SPECIALS 7PM-9PM  
BANDS START AT 8PM

.....  
**LIVE REGGAE!**  
**BLACK SHEEP**  
**THURSDAY MAY 17**  
**HOTLINE 385-8660**

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**Make your own enlargements in minutes**

It's the most revolutionary new idea in the business and it's here in our store at the new Kodak Create-A-Print 35mm enlargement center. You zoom, crop, and frame in vertical or horizontal compositions you see on a video screen—so you know the results before you actually make the print. And you do it all in about five minutes, right here in the store. Bring in your favorite 35mm negatives and make 5" x 7", 8" x 10", or 11" x 14" enlargements.



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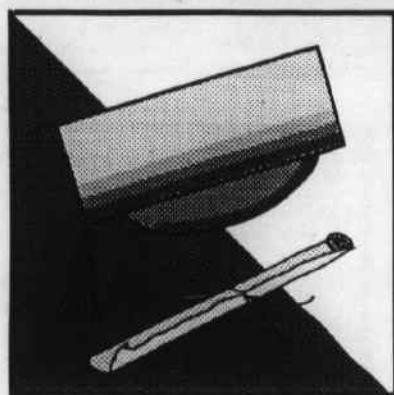
**1 HR. PHOTO**

Valley Mall  
434-6527

Dukes Plaza  
434-3012







## Exam stress: How to get t

*"Cramming is a desperate, disorganized method of studying."*

It's finally here. The end of the semester. And as much as you're looking forward to the thought of summer vacation, you know you've got a week of finals in between you and Friday. Or if you're graduating, between you and that piece of paper.

But if you're like a lot of students, you might not be quite as prepared as you probably need to be to get through the exam ordeal. With a little planning, you can get through this week without dropping from sheer exhaustion right before you parents come to pick up you and your stuff — or without pulling off the highway at a rest stop somewhere between Harrisonburg and New Jersey to take a nap.

It's important to make sure that in between cramming sessions, you get some rest and relaxation. So after you spend a good portion of Reading Day (which is tomorrow, by the way) catching up on all those biology chapters you sort of left until the last minute, treat yourself to some recreational time. Playing frisbee on the Quad, going bowling with friends, or simply watching some relaxing reruns on television can provide exactly the break you need.

If you're looking for something to do to break the studying monotony on Monday, Tuesday or Wednesday nights, you might head for Phillip Center Ballroom from 9 to 11 p.m. That's where this year's exam snacks will be held, and PC Dukes General Manager Joe Erickson says anyone is welcome — there will be no meal contract punches used.

Erickson says the spread will consist of snack foods like fresh fruit, cookies and chips and pretzels. Coffee and lemonade also will be served.

He adds that the north side of the ballroom will be reserved for studying, and will be open until 2 a.m. "if the demand is there."

### Getting ready for the tests

Now that Reading Day is upon us, many students are probably trying to figure out how they're ever going to read six chapters of marketing, finish five lab reports for chemistry class and study for a comprehensive exam in modern middle eastern history — all for Monday and Tuesday.

Of course, the best way to prepare for final exams is to start ahead of time — like four months ahead of time — by keeping up with assignments as they are given.

A booklet called "About Making the Grade at College," distributed by the JMU Counseling and Student Development Center, says keeping up with reading is the groundwork for studying.

It's important to devise a strategy before setting out to cram a semester's worth of text into one night's reading, so you should determine which portions require "skimming" which call for "careful reading," or "locating main ideas and important details," and which demand "intensive reading" — or reading for total understanding.

By first planning what you'll read and how you'll read it, you can avoid wasting time reading the easier stuff.

Although cramming, or "hurried, intensive, last-minute stuffing of the mind," according to the booklet, is often said not to be a very worthwhile way to study, it's what a lot of college students tend to do at this time of year. As the booklet says, "Cramming is a desperate, disorganized method of studying. At best, you'll remember some information for a short time."

If you decide to spend an evening (and part, or all, of the following morning) cramming for a final, be nice to yourself. Make sure you eat well, and make yourself comfortable while you work — up to a point. You don't want to get so comfy that you fall asleep.

Angela Perkins, a counselor at the center and coordinator of the center's Educational Skills Development Program, says there's not a big rush of students coming into the center for basic skills instruction during finals week.

"During exam week you just have some people who want to brush up," she says. "[Students] tend to be better time managers because they know they have to get things done."

"There's not as much room for procrastination," she says.

### Testing

Most students who do come in for help seek advice on how to take multiple choice and other objective tests. The center provides handouts with tips on both objective and essay tests.

For multiple choice and other objective tests, the handout lists some general rules, including the following:

- Quickly scan the test to see what's ahead of you.
- Read over all the types of questions and directions for them and make sure you understand them.
- Know how many points each question is worth, so you'll know what happens if you guess wrong.
- Figure out how much time to spend on each section.

- Try to answer every question.
- Don't read too much into each question — take them at face value.
- Remember, first impressions are usually right. If you're not sure of your response, make a note to yourself and go on. You can come back to it when you're done with the rest of the exam.
- Answer the questions you know for sure first.
- Look for watch words like "never," "must," or "always."
- Use information from test items. Sometimes the answer to one question is given in another.

Although the guidelines aren't guarantees that you'll make a perfect score, they can help you prepare. The center offers other booklets and worksheets throughout to help students manage studying time.

### Graduation

This year's commencement weekend will follow the general format as last year.

"Last year, students were excited about graduation, and that's what made it a success," says Jean Barnard, director of annual events for University Advancement. She says the 1989 commencement program was so well received by students, parents and faculty members that there will be no major changes in the program.

U.S. Secretary of Education Lauro Cavazos will be the featured speaker. Cavazos was appointed to his post by former President Ronald Reagan and asked to remain by President George Bush.

As secretary of education, Cavazos has worked to raise public expectations of school systems, to allow all students access to quality education and to encourage the public to take responsibility for American education.

The commencement ceremony will begin at 11 a.m. on Sunday, May 6, in JMU Stadium. Nearly 1,700 students will receive their degrees.

Individual colleges will sponsor picnics on Saturday, May 5, from 11:30 a.m. to 1:30 p.m. on the Quad. Tickets cost \$7.50 for parents, guests and graduates without meal contract. For graduates with meal contracts, admission is free, but tickets still are required.

The Harrisonburg Sheraton, Holiday Inn and Belle Meade Inn will be serving special family buffets on Saturday night. The cost is \$15 per person.

A candlelight ceremony will be held on the Quad from 8 to 9 p.m. Saturday night, followed by a parent/student dance and reception from 9 p.m. to midnight in Godwin Hall. Tickets for the dance are \$12 a couple or \$7 for individuals.

A Commencement Day Breakfast is planned for Sunday, May 6, with seatings at 8 and 9:15 a.m.

Tickets are required to attend the ceremony itself only if it's moved to Convocation Center due to rain.



# WEEK 1990



## from today to May 4 without dying



File photo

### Dining option

### Changes

Souper One	Closing April 26
Lite One	Closing April 26
Bytes	Closing April 26
American Pie	Closing April 26
D-Hall 5	Closing April 26
Spaghetti Western	Closing April 26
D-Hall 2	Closing May 3
D-Hall 3	Closing May 3
D-Hall 4	Closing May 4
O'Deli's	Moving to D-Hall 1 April 27, Closing May 3
P.C. Dukes	Closing 10 p.m. on May 4
Steak House	Closing April 26
Top Dog	Closing May 2
Mrs. Greens	Closing May 3

- Exam snacks will be held in the Phillip Center Ballroom April 30 to May 2, from 9 to 11 p.m.
- Meals for graduating seniors will be held in the Highlands Room, top floor of the Warren Campus Center from dinner, May 4 to breakfast, May 6.

Staff graphic by TIM WATSON

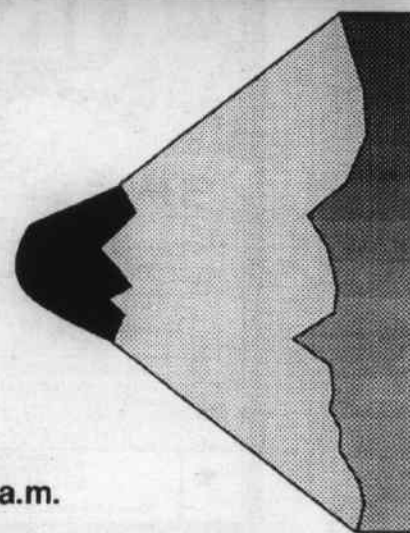
## Study Rooms available during exams

### The library will be open the following hours:

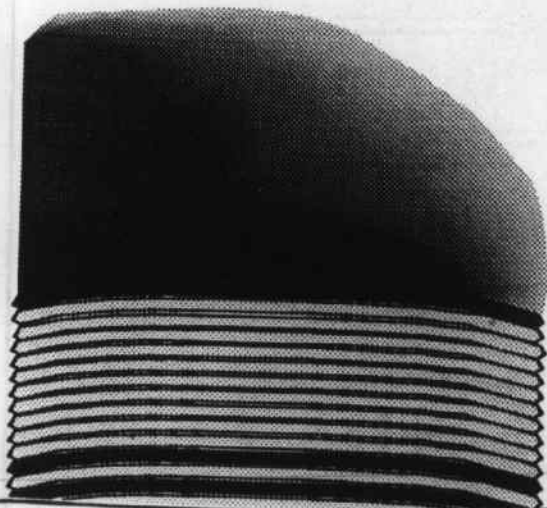
Friday, April 27, 7 a.m.-12 a.m.  
 Saturday, April 28, 9 a.m.-12 a.m.  
 Sunday, April 29, 10 a.m.-2 a.m.  
 Monday, April 30, 8 a.m.-2 a.m.  
 Tuesday, May 1, 8 a.m.-2 a.m.  
 Wednesday, May 2, 8 a.m.-2 a.m.  
 Thursday, May 3, 8 a.m.-2 a.m.  
 Friday, May 4, 8 a.m.-5 p.m.

### Other study rooms available are open from 7 p.m.-1 a.m.

Monday, April 30, Jackson 1A, 3, 101, 102  
 Tuesday, May 1, Jackson 1A, 3, 102, 103  
 Wednesday, May 2, Jackson 2, 3, 102, 103  
 Thursday, May 3, Jackson 1A, 1B, 3  
 Keezell G-1  
 Friday, May 4, Jackson 1A, 1B, 2, 3,



Staff graphic by STEPHEN ROUNTREE





## Attention Students

### Mail Handling for May & Summer

**Forwarding:** You must complete a Change of Address Form available at the JMU Post Office

- If no Change of Address Form is completed, mail will be held 10 days then returned to sender (if not returnable, it will be discarded)
- Be sure to send your change of address to all magazine publishers

### May Session or Summer School Students:

You must sign-up in the Campus P.O. before May 3, 1990 to receive mail here!!

**JMU**  
*Bookstore*

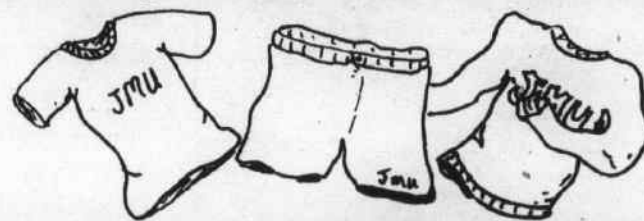
## CLOTHING SALE!!!

APRIL 30- MAY 1


Entire Stock of JMU Imprinted Clothing

# 20% OFF

**Monday and Tuesday Only!**



*Visa-Mastercard-FLEX-Gift Certificates*



**CLYDE BEATTY-COLE BROS.**  
WORLD'S LARGEST  
**CIRCUS**

**3 RING**

Coming to  
Bridgewater Lawn Party Grounds  
One Block West of Rt. 42  
Friday Apr. 27      One day only

THE ENTERTAINMENT VALUE OF THE SEASON!  
OVER 2 HOURS OF FAMILY FUN!  
PRESENTING AN INTERNATIONAL CAST  
FROM OVER 17 NATIONS

★ Tickets On Sale At ★  
Valley Mall (Starting Apr. 17)  
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**THE GREATEST HERD OF PERFORMING ELEPHANTS**  
ACROBATS! TRAPEZE! ADAGIO! BALANCING!  
THE TANGIERS TUMBLING TROUPE  
AERIAL DAREDEVILS!  
THE CLOUD SWING JUGGLERS

**60 PERFORMERS!**      **40 WILD ANIMALS!**

**MUCH, MUCH MORE...**

SHOWTIMES:  
4:30 and 8:00 p.m.

TICKET PRICES: GENERAL ADMISSION  
ADULTS Age 13 and older \$8.00  
CHILDREN Age 12 and under \$4.00  
RESERVED CHAIR SEATS - \$2.00 ADDITIONAL

Under A Canvas Arena Larger Than A Football Field!

## MODELS NEEDED

**FREE**

**CUTS -  
STYLES  
HIGHLIGHTS  
&  
PERMS!!**

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**Internationally Known Artists**

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5 bedroom unit w/loft available in **HUNTERS RIDGE...** the most popular student community in Harrisonburg. Unit is in excellent condition and has all of the features below:



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Call Hunters Ridge Management today at 434-5150.

## VIDEO WORLD

# EXAM BURNOUT ESCAPE PLAN

1. Clip Out The Coupon From This Ad And Bring It With You To Video World.
2. Rent Any Movie And Get the 2nd One **FREE!**
3. Check Out Some Of Our New Arrivals:
  - Black Rain
  - Sex, Lies, & Videotape
  - Sea Of Love
  - True Love
4. Make An 'A' On All Your Exams.



Mon-Thur 10am-9pm • Fri & Sat 10am-10pm • Sun 11am-9pm

**HARRISONBURG** 101 South Carlton Street 434-0913



# SPECIAL SPRING

SECURE A  
**TEN MONTH LEASE**

BEGINNING AUGUST 1st

AND RECEIVE A  
"FREE MICROWAVE"

WHEN YOU MOVE IN!  
(Yours to keep!)

INQUIRE TODAY!  
**SQUIRE HILL APARTMENTS**

**434 - 2220**

MON. - FRI: 10 - 6 SAT: 10 - 5 SUN: 1 - 5

✧ But you'll have to hurry! ✧  
✧ Offer is limited to the first 10 apartments ✧  
( 1 per APARTMENT )

## SPANKY'S

# DESSERTS



"JUST TO BE THERE"

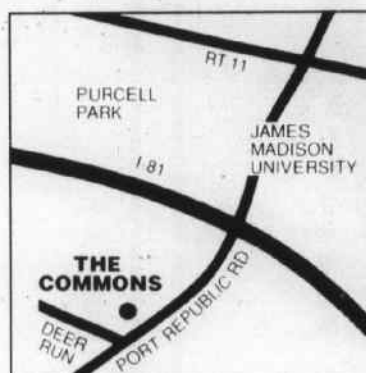
52 W. Water St • Harrisonburg, VA • (703) 434-7647



*The furnished beds are especially nice at The Commons, and almost everyone appreciates their larger size and comfort.*

Unless you're 6' 10", you're going to love the larger, more comfortable beds that you can have in your Commons Apartment. You can rent fully-furnished, partly-furnished, or move your own furniture in. With four bedrooms, patios and balconies, wall-to-wall carpeting, a microwave oven, washer/dryer

and a cable TV hook-up, The Commons Apartments are going to be rented fast.



*Get off-campus this Fall.*  
**Call The Commons at 432-0600.**

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**COMMONS**  
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**VALENTINO'S**  
FINE DINING

**PRE-EXAM JAM!!**  
Thank You JMU For Your Support.

**FRIDAY** **BAR**  
Featuring former members of  
Animal Logic **AKIABO**  
with **FISTCHICKEN**

**SATURDAY**  
*steady rollin'*  
**BOB MARGOLIN**  
With Special Guest  
**MARK WENNER**  
Blues Harp from the Nighthawks

Open Regular Hours This Summer  
Good Luck On Exams

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Valley Mall - Harrisonburg, VA 22801  
Jo Ann Foltz  
Owner  
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10:00 - 9:00 Mon. - Sat.  
12:30 - 5:30 Sunday

Manicures  
Available

# Congratulations Seniors from

## The James Madison Club

Come to a party  
in your  
honor, at  
**CHAMPIONS** of  
Falls Church



That's  
**CHAMPIONS** of  
Falls Church, on  
Wednesday, June  
6, 1990

## of Washington

Remember, the fun doesn't stop here, it just moves to  
Washington/Northern Virginia!!!

Champions • 105 West Broad Street  
Falls Church, VA • 703-241-4112

# NOTICE

## ABOUT GIBBONS DINING HALL

*In preparation for a major, summer long renovation of Gibbons Hall, the following changes in service are necessary during the final days of the semester:*

SOUPER ONE, LITE ONE, BYTES, THE HAMBURGER LINE, D-HALL 5, SPAGHETTI WESTERN AND ENTRANCE 6 WILL ALL CLOSE FOR THE YEAR AFTER THURSDAY, APRIL 26.

ALSO, THERE WILL BE NO FINAL EXAM SNACKS IN GIBBONS HALL THIS SEMESTER.

-----  
BEGINNING FRIDAY, APRIL 27, THE HANDICAP ENTRANCE AND THE AFTER HOURS ID PROBLEM DESK WILL BE AT ENTRANCE 1. ENTRANCE 1 WILL BE OPEN AS A REGULAR CONTRACT DINING ENTRANCE DURING WEEKDAY LUNCHEES AND DINNERS. O'DELI'S WILL BE OPEN IN D-HALL 1 AT LUNCH AND DINNER. ENTRANCE 2 & 3 WILL CLOSE LAST AT ALL MEALS. OTHER MINOR PREPARATIONS FOR THE RENOVATION WILL BE EVIDENT TO CUSTOMERS, SUCH AS REMOVAL OF PICTURES.

-----  
ON FRIDAY, MAY 4, ONLY D-HALLS 3 & 4 WILL BE OPEN, AND ONLY THE HANDICAPPED MAY USE ENTRANCE 1. GIBBONS HALL WILL CLOSE FOR THE YEAR AT 2 P.M. MAY 4. MEALS FOR GRADUATING SENIORS WILL BE PROVIDED OVER THE WEEKEND AT WCC HIGHLAND ROOM.

-----  
**WATCH THE DIGEST FOR MORE DETAILS!!!**

*Food Services regrets the inconvenience these preparations may cause. However, the renovation is so extensive the contractor must begin work May 1 in order to finish before next semester. We appreciate your patience, and we hope you will enjoy the changes when you return next fall.*





## Let Us Cater Your Graduation Party!

Garden Deli

Deli Trays  
5 foot Subs from \$48.00  
Vegetable Trays  
Fruit Baskets

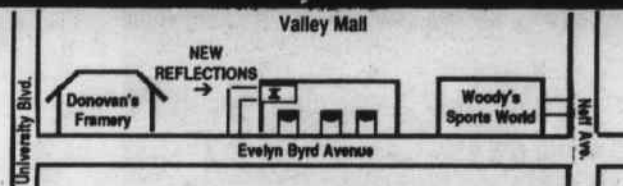
433-9801

1560 S. Main Street

Three Days Notice Please

Get Set for Summer with  
a 20% Discount from...

## New Reflections



WAXING or ELECTROLYSIS  
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Judy A. Huffman C.E., C.C.E.  
member: I.G.P.E.

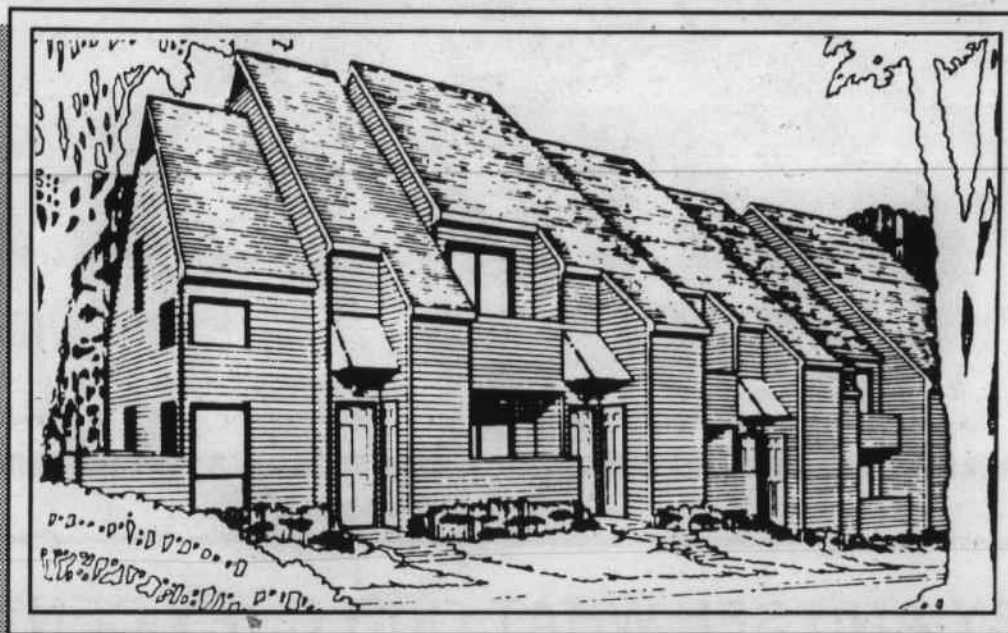
(With this coupon)

## Summer Jobs!

Available for nursing students.

Paid practical experience in Northern Virginia, Maryland, and Washington D.C. medical or dental offices. A \$500 scholarship will be awarded late August to the best temporary worker!

Please Call  
Team Placement Service  
(703) - 820 - 8618



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- Nighttime security for your protection
- Monthly cleaning service
- Basketball & sand volleyball courts
- Full size washer & dryer
- A Housing Scholarship Program



### Off Campus Housing Open House

Sat., April 28th - 12noon until 4:00pm  
Stop by to register for *PRIZES* to be given away

**Congratulations to the 1990-1991 Breeze Business Sales Staff**

### General Account Executives:

Karen Courtney  
Kevin Hall  
Buddy Utz  
Jason Willetts  
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### Campus Accounts:

Meghan O'Donnell

### Special Projects:

Jonathan Brumfield

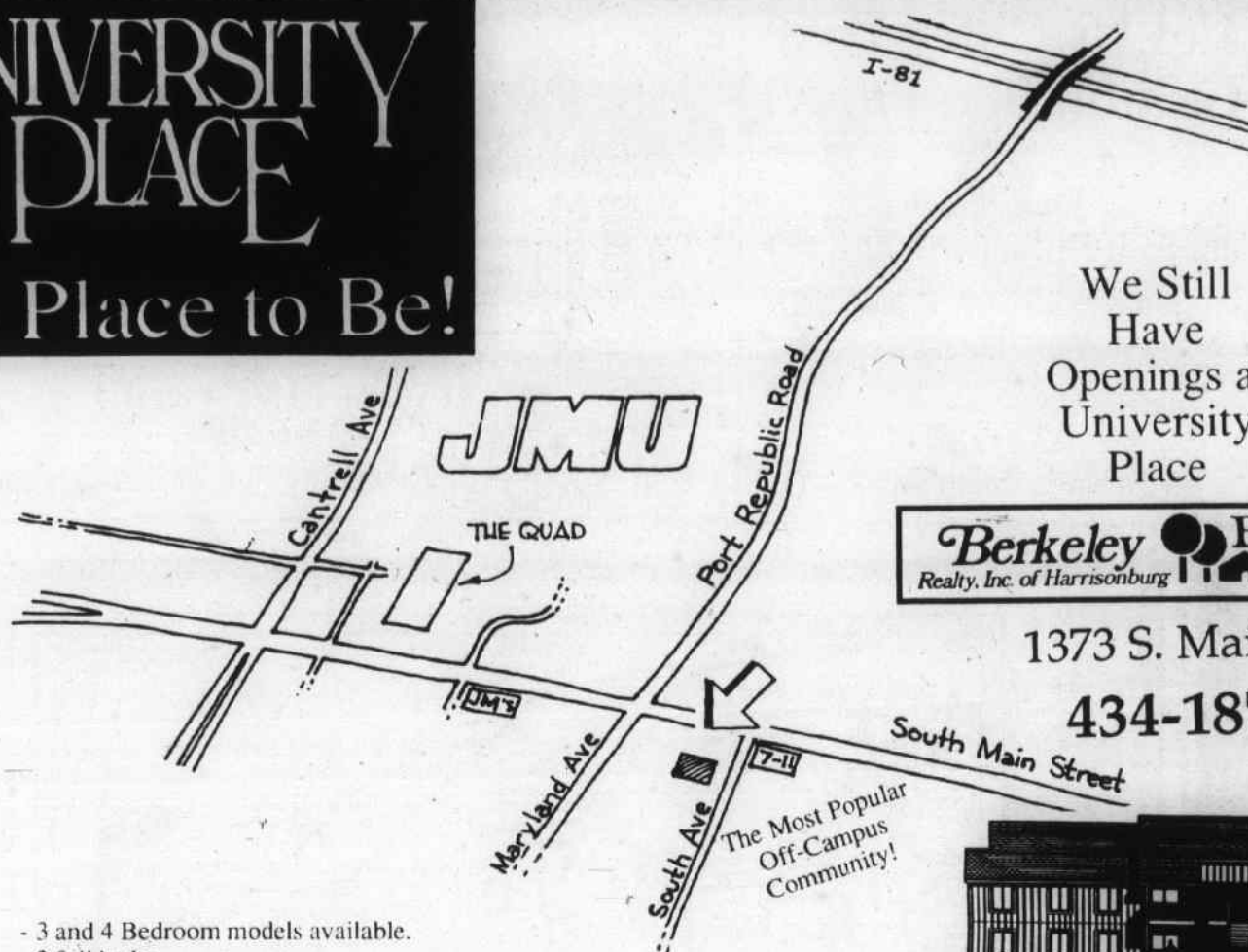
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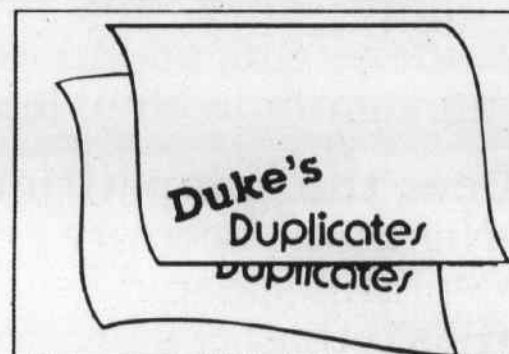
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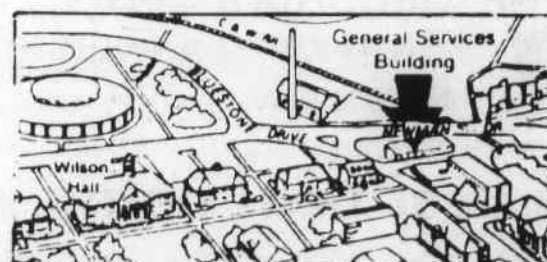


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**Hours: 7am - 8pm**  
**Mon - Thu**  
**7am - 7pm Fri**



The Last Showdown Of The  
'89-'90 Academic Year...

***FINAL EXAMS!***



Good Luck! We'll be open 'til 2a.m.  
during exam week to support you.  
Have A Nice Summer.

**433-0606**

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Free Delivery

				
<b>\$6.00</b>	<b>\$7.00</b>	<b>\$8.00</b>	<b>\$9.00</b>	<b>\$6.00</b>
for any medium regular, one topping pizza plus 2 Free Drinks	for any medium regular, three topping pizza plus 2 Free Drinks	for any large regular, one topping pizza plus 4 Free Drinks	for any large regular, three topping pizza plus 4 Free Drinks	for any medium regular, one topping pizza plus 2 Free Drinks
433-0606	433-0606	433-0606	433-0606	433-0606
Free Delivery	Free Delivery	Free Delivery	Free Delivery	Free Delivery



## Hey, all you budding young journalists or any other curious folks —

If you are staying in Harrisonburg this summer why not work for the summer *Breeze*. Call *The Breeze* at x6127 or Alan Neckowitz, x6118.

**WalkAmerica  
WalkAmerica  
WalkAmerica**

Saturday, April 28  
JMU Convo lot  
9 a.m.

Walkers needed  
to help raise  
money.

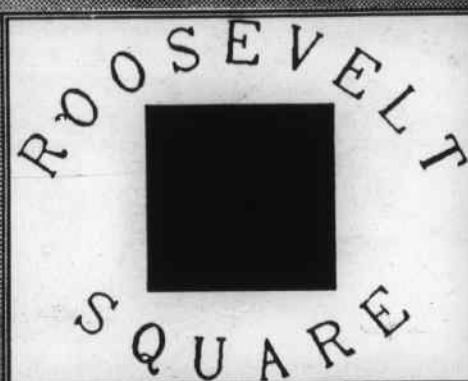
Volunteers  
needed to help  
with registration.

It's not too late  
to get a team  
together.

**Food and fun  
for everyone!**

For info, call the  
**March of Dimes**  
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A great service project  
for the end of the year!



**OFFICE HOURS:**  
7:30-4:30 PM  
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**OPEN HOUSE!**  
Sat. April 28  
Sun. April 29  
noon-4 pm  
Stop by and see our model

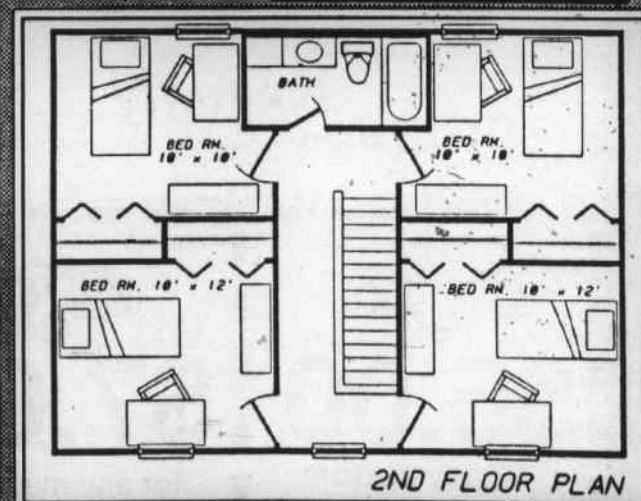
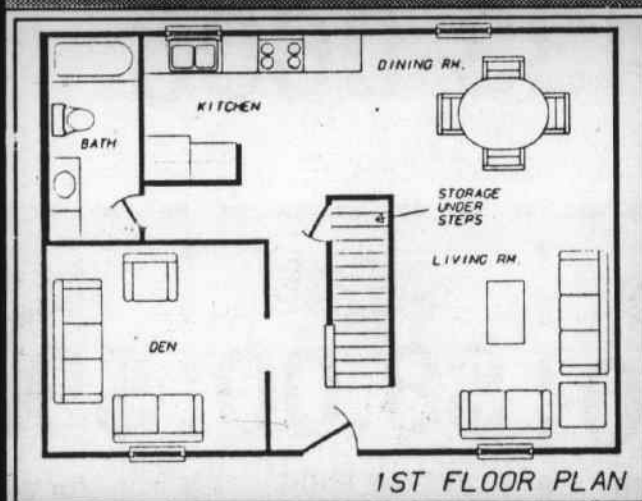
**TYPES OF UNITS:**  
Four Bedrooms  
Two Full Baths  
Two Living Rooms  
Dining Room  
Kitchen  
Storage Area

**INCLUDED IN EACH UNIT:**  
Miniblinds at All Windows  
Wall-to-Wall Carpeting  
Cable TV Hookup  
Available Furnished  
or Unfurnished

**1 BLOCK  
FROM JMU'S  
MAIN CAMPUS!**

**STANDARD APPLIANCES:**  
Frost-free Refrigerator  
with Icemaker  
Range  
Microwave Oven  
Dishwasher  
Washer and Dryer

**UNFURNISHED \$205  
FURNISHED \$215**



**CALL ROOSEVELT SQUARE  
TODAY AT  
432-9685 or 433-2615**

# Come join WalkAmerica '90

Saturday, April 28

in the JMU Convo Lot

Walk throughout Harrisonburg, and raise money with every step. Or help with registration.

Either way, you'll be helping to fight birth defects.

For details, call the

March of Dimes  
434-7789

Help Harrisonburg serve others at the end of the school year!

**SHUTTERBUG**  
1790-140 E. Market Street  
Spotswood Valley Square

**One Hour  
Photo Lab**  
432-9333

**10% Off Processing  
Reprints Only 29¢ ea.**

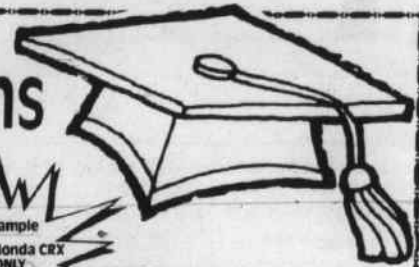
*Last chance to capture those  
great memories of spring break,  
Greek parties, and other JMU fun.*

Offer expires May 4

## Congratulations Graduates

YOUR DEGREE MAY HAVE  
EARNED YOU A NEW CAR!

Example  
1990 Honda CRX  
ONLY  
\$166.66  
per month



**NO** MONEY DOWN

**NO** COSIGNERS

**NO** PREVIOUS CREDIT  
NEEDED

CALL NOW TO FIND OUT HOW

**(703) 934-6676**

GREG NOLAN

BILL WAUGH

DRIVE TO YOUR NEW JOB IN STYLE

**Benchmark Leasing**

"A Good Deal Better"

# Thank You!!!

The Office of Information Technology would like to express their appreciation to the following student assistants for the fine job they do in assisting the faculty, staff and students in various areas of computing at JMU. Thank you for a job well done!

### Graduate Assistants

- \* Lisa Brown
- \* Walt Hufford

### Help Desk

- JT Ayers
- Amanda Barlow
- \* Kevin Bousman
- Darren Cegala
- \* Andria DiNonno
- \* Tod Karminski
- John Marshall
- \* Tammy Matuck
- Monica Mazza
- Bert McNeil
- Jeff Midili
- Tom Moulten
- \* Jacki Stanfield

### Microcomputing Resource Center

- Mark Abrials
- Rodney Bodamer
- Karen Bridgett
- Robin Furr
- \* Brad Gorman
- Jon Hager
- \* Tammy Miller
- \* Ned Neece

### VAX Operations

- Tim Brandenburg
- John Connelly
- \* Keith Hontz
- Matt Hoyle
- \* Camille Hopgood
- Terry Meeks
- \* Pat Truslow
- \* Pat Widener
- Bob Woodington

### Other Services

- Maria Camacho
- \* Allison Leuppert
- \* Mike Murphy
- Cournenay Sturdivant

### Microcomputer Labs

- \* Dan Albers
- Ron Anderson
- Stan Bice
- Joe Bowden
- Beth Burlingame
- Laura Campbell
- Don Clemmer
- Greg Corlett
- \* Glen Dennis
- Alan Egge
- Kathy Ellis
- Ben Faraone
- Drew Firment
- A-J Fischer

- \* Scott Garber
- Tanja Gatz
- Laura Himelright
- \* Jenny Hopkins
- \* Lori Hunt
- \* Leanne Keiser
- \* Melissa Keller
- Kim Kidwell
- \* Tom King
- Kevin Krebs
- Amanda Lawrence
- \* Ginger Lewis
- \* Cindi Liberi
- \* Edwin Lohmeyer
- \* Kim McFadyen
- Kevin Martin
- Evvia Mauro
- Jeff Morgan
- \* Donna Morris
- \* Peggy O'Connell
- \* Nancy Ottestad

- \* Joyce Palmer
- Dawn Rose
- \* Alice Scanlan
- Tracy Sergeant
- Tim Sheehan
- \* Rob Smith
- \* John Torregrosa
- Paula Tulley
- Mike Umbach
- \* Jennifer Wahlquist
- \* John Wallingford
- Jamie Webster

Our best wishes and congratulations also go to our graduating seniors!!!

(Seniors Denoted by \*)



# COMICS

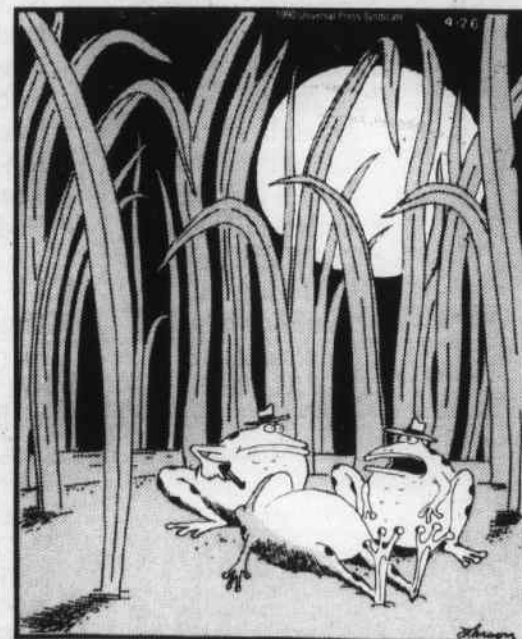
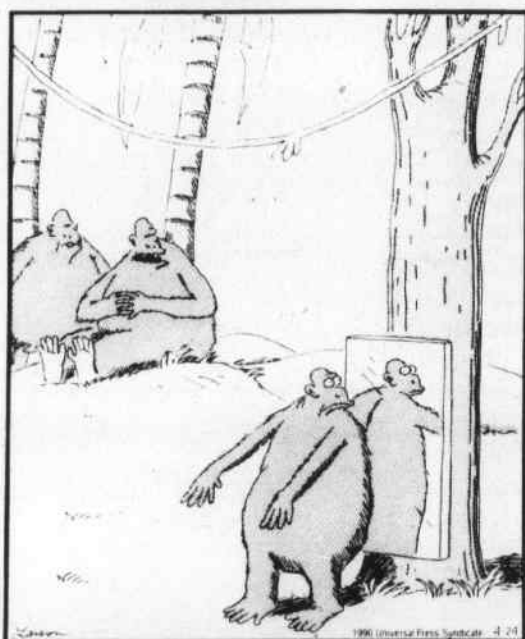
## CALVIN AND HOBBS

Bill Watterson



## THE FAR SIDE

Gary Larson





# CLASSIFIEDS

## FOR RENT

**The Commons** - New student housing near campus, 869 Port Republic Rd. 4 BR, furnished or unfurnished, W/D. Call 432-0600.

**Celebrate Spring At The Country Place** - Lodging & camping on the Shenandoah River, 40 mi. north. 2 BR chalet, \$185/weekend. 5 BR lodge, \$295/weekend. Fireplaces, waterbed, canoeing, hiking, horseback riding. Completely outfitted campground. Call for reservations/brochure. (703)743-4007

**Sublet** - Olde Mill Village, private room. \$140 + utilities. Call 434-7109.

**4 BR, 2 Bath Condo** - University Place, W/D, range, DW, microwave, refrigerator, furnished. Available Aug. 1, Call (703)594-2277.

**4 BR Apt.** - With wall-to-wall carpeting, spacious living room with fireplace, true 10 minute walk on S. Main St. to front of campus. Plenty of parking, personally managed by owner. \$175/BR. Call after 6 pm. 434-3509

**University Place** - \$205/mo. Negotiable! Furnished, 4 girls. Brad, 433-5372.

**House** - 1 Block from JMU. 3 BR available August. 433-2126

**Large House** - 5 minute walk to JMU. Available 8/20/90. 433-2126

**3 Large BR** - Contemporary kitchen, W/D, backyard, lots of privacy, partially furnished. 6 blocks. All utilities included. Available June 1st. \$215 x 3 females. Phone 434-1940 or 289-5055.

**Student Housing** - Quaint, 4 BR, 2 bath in fourplex. Quiet neighborhood with bus stop. Fully furnished. \$215. 740-8905

**3 People Needed** - To share an apt. at Campus Condos. Call Darren at 434-6531 (home) or 433-9287 (work), 7:30 - midnight, Monday - Thursday.

**4 BR Available** - For sublet at the new Hunters Ridge townhouses. Summer months. Price negotiable. Contact 432-6313 or 434-3917.

**Apt.** - College Station. Girls. Available Aug. 1. Fully furnished. 434-6411, day; 833-2708, night.

**Madison Square Townhouse** - 3 BR, 2-1/2 bath. Remodeled, fully furnished. Need 4 girls to share at \$175 each. Lease begins Aug. 25th. Summer sublease available also. Call collect (804)464-5304.

**Hunters Ridge Townhouse** - 2 living rooms, 4 BR, all appliances, quality Smokehouse furniture. Nicer than new! \$225 each. Call 433-1333 evenings.

## 1 BR Apt.

Month-to-month lease. Quiet non-partiers. Like new Dutchmill Court (4 blocks). \$315. Available now. 434-2100

**Apts. Close To Downtown** - 10 blocks from campus. Debra, 434-6447.

**College Station Townhouse** - Fully furnished for 4, W/D, energy efficient. \$200/mo. (703)250-7137

**4 BR Condo** - College Station, 4 females. W/D, air, furniture. \$200/mo. + security. Call collect, (804)973-5047.

**5 BR House** - Close to campus for next year. June or July lease. All new appliances. Partially furnished. 234-8317

**Northern Va. Graduating Seniors** - Room available May 1. Call soon. (703)685-7145

**May/Summer Sublet** - Hunters Ridge, 5 BR, rent negotiable. 432-0144

**Very Nice University Place Condo** - Fully furnished, microwave, full W/D. 433-5409 or 433-2527, Tracy.

**Campus Condos** - Summer sublet. Great location! Call Marcie, 432-9943.

**May/Summer** - Large room in house. \$100/offer. Chris, 432-9002.

**Summer And/Or Fall** - Room in Country Club Court. Fully furnished. Call Paul for info. Owner is licensed. 433-8293

**Sublet May/Summer** - Hunters Ridge townhouses. New. Furnished. Angela, 432-0526.

**Gigantic Room** - Great location & great price. For May &/or summer. Call Scott, 434-3279.

**Condo** - College Station, 4 BR. Close to JMU & shopping center. Just painted. W/D. \$190/mo. Call Steven, 433-4805 or Mr. Albright, (703)323-6697.

**2 Story Victorian Home** - With 3 large BR & 2 full baths. Located on the corner of Gay St. & N. High. Rent only \$750. Call Berkeley Realty, 434-1876.

**\$120/Mo.** - Campus Condos, summer sublet, 5 BR, 2 bath, furnished, 5 min. walk to campus. Call 433-2973.

**2 Renters Needed For New Townhouse** - 4 BR, fully furnished end unit at Hunters Ridge. Call x4196.

**Madison Square** - 1 double & 2 single rooms, 2-1/2 baths, W/D, color TV. Near campus. \$1,000/student/semester. Call Dave Perault, (703)856-2408.

**College Station Townhouses** - \$\$\$ Premier quality housing, central location, park at door. 3 stories/4 BR completely furnished including W/D (utilities extra). Groups of 4 or 5. Call 434-9720 or 896-1500.

**Excellent Location** - Madison Square. Single BR, \$200/mo. fully furnished. 432-1276

**University Court Townhouse** - 5-10 minute walk from campus. 2 large BR, ideal for 4, \$160 each, negotiable. W/D, pool, deck. Trish, 433-3552; Nova, (703)250-7938.

**May/Summer Sublet** - Hunters Ridge. Own BR. Negotiable. Dave, 433-5788, afternoons.

**Summer Sublet** - Cheap! Furnished, private room, equipped kitchen, W/D, AC. Make an offer. Call Krista, 433-0315.

## Cheap Summer Rental!

Large, beautiful house<sup>plus</sup> has a few rooms left.  
May to August.  
432-0903.

**3 BR Apt.** - Close to campus. Year lease. Starts June '90. Holds 3-5 people. No smokers. No pets. Call 433-8283, Joni.

**Want A Room?** Furnished, private, cool. A.C., 433-3800. \$125 negotiable.

**Need 1 Female To Share Great Townhouse** - In Forest Hills. Private, furnished BR with separate entrance. \$175/mo. Lease 6/1/90 thru 5/31/91. Call Jill at 433-3666.

**Cheap! 2 BR Hunter's Ridge sublet.** May-August. 433-0417, Julie or Jill.

**Efficiency Apt.** - Close to campus. Year lease. Starts June '90. No smokers. No pets. Call 433-8283, Joni. \$225/mo. With utilities.

**Safe Storage Units** - Close to campus. 8x10x20. \$20/mo. 433-8283

**\$120/Mo.** - Campus Condos, summer sublet. 5 BR, 2 bath, furnished. 5 min walk to campus. Call 433-2973.

**Sublet** - May or summer. Hunters Ridge. Loft negotiable. 432-0226, Lisa.

**Room** - Ashby Crossing, male/female. \$120/mo. share utilities. May - Summer. (703)248-1005.

**Rooms For Summer Session** - New right next to Anthony-Seeger. 4 females, fully furnished. Rent negotiable. Call x4340 or x4240.

**Roosevelt Square Townhouses** - New student housing. 1 Block from main campus. Model now open. Available Fall 1990. Call 432-9685 or 433-2615.

**Dirt Cheap** - May/Summer sublease at Campus Condos. Rudy, 433-9471.

**Rooms, Rooms, Rooms** - Come by & see 'em at 317 S. Liberty (White house, green trim). W/D, 6 BR, 4 baths, parking. 5 minute walk from the Quad. Very competitive rates. Call 432-9890, ask for Steve or Jim.

**Summer Sublease** - Campus Condos. 2 females share room. Cheap! 433-9790.

**New 4 BR Townhouse** - 3 blocks to JMU. Available August. \$200/room. Call 433-1109.

**Affordable Housing 3 Blocks From Campus** - Quiet house, individual room leases, furnished, heat & water paid by landlord. 433-9189.

**Forest Hills Townhouse** - With deck. Great location. Fully furnished for 6 students. W/D, dishwasher & other conveniences. Year lease beginning June. Call 867-9720.

**Sublet May & Summer** - 1 BR in a house on Old South High. 10 minute walk to campus. \$100/negotiable. Call Tammy, 433-7187.

**Rooms Near Campus** - Private entrance & bath. Male graduate preferred. 434-2812.

**Condo** - 2 BR available furnished, TV, W/D, dishes. \$200/mo. 434-3109

## 3 Large BR Duplex

Large yard (we mow), lots of extras. Almost new. Very energy efficient. Port Rd., 1 mile past Howard Johnson's Restaurant. Available June 1st. Lease/deposit. \$480. 434-2100

**2 BR** - College Station. \$190. Beautifully furnished. June 1990-91. x5971

**1 BR in 3 BR Apt.** - 1 female. 10 minute walk on Main. \$160. Available August. Silvia, 433-7242

**3 BR Hunters Ridge Townhouse** - Sublease Jun, July &/or August. Cheap & negotiable. Make an offer. 432-9278.

**Summer Sublease Solution** - Campus Condos. Females. Rent negotiable. 433-9790.

**7 Minute Walk!** Private room in 3 BR apt. May/Summer. Furnished, AC, balcony. \$100/mo. Campus Condos. Amy, 433-8958

**Furnished Room in House To Sublet For Summer** - Only \$95. Call Paul at x5065 up until the end of May.

**May/Summer** - Single room, 1 block from campus. Margaret, 433-4974.

**Totally Private Summer Pad!** Bottom floor of Hunter's Ridge townhouse. 2 BR, bath, microwave, AC, fully furnished. \$200 for both/mo. 432-9514

**Mini Storage Units** - Only a few left! 14'x14' room, \$35/mo. 896-2915, day or evening. Only 15 minutes away.

**Summer Sublet** - Large room with bath. Other rooms available. 1 block to campus. Call Shari, 434-0341.

**For Rent in Cloumbia, MD** - 2 BR apt. Right off 95. Call D'Anne, 434-0341.

**Please Sublet My Half Of A Large 2 BR Apt.** - 1 block from campus. May - July. Cheap! Call April, 433-2759.

**Ashby Crossing** - May/summer. Cheap. Under \$100. Jeff, 434-9470.

**Sublet** - Ashby Crossing. Summer. June/July. \$110 + utilities. Angela D., 432-6206.

## 2 BR Townhouse

1-1/2 baths, like new on Dutchmill Court. 4 blocks from JMU. Large BRs, closets. Very quiet, energy efficient. Lots of extras. No parties. June 1st. \$425. 434-2100

**May/Summer** - Hunters Ridge apt. Private room. Cheap! Call ena at 434-6794.

**May/June Sublet JM Apts.** - \$115 + utilities. Karen, 434-9820.

**Efficiency** - Available May 8. Quiet residential neighborhood, private entrance, lease, deposit. \$325 includes heat & water. 433-9189

**Ashby Crossing** - 3 BR. May/summer. \$100. 433-9282

**Loft** - With refrigerator & upper shelves. Call Cindy, x4350.

**Loft** - Price negotiable. Call John at 432-0453.

**'88 Chevrolet Camaro** - Red, loaded, T-top, excellent condition. Must sell. \$7,800. Call after 7 pm, (703)550-7530.

**1988 Festive Ford** - 18,380 miles. Air, radio, tape deck. \$4,995. Telephone 828-4232.

**Government Seized Surplus Vehicles** - Available for \$100! Call for immediate info! (708)742-1142 ext. 5090.

**Lofts** - 1 is stained & varnished, looks great. Call x4795.

**2 Piece BR Set, 2 piece living room set, 4 piece dinette, wall unit.** Call Cheryl, 432-1780. Excellent condition, negotiable prices.

**Bluestone Loft** - Tall & sturdy with headshelf & safety bar. Bedsprings fit! \$50 or best offer. Call Elaine, x4262.

**Loveseat Sleeper** - \$100 or best offer. Call Elaine, x4262.

**1988 Women's 10 Speed Schwinn Bike** - Excellent condition. \$75. x5598

**Mandolin, \$50** - Coronet, \$50; Trombone, \$35. Call 433-6762.

**Fiat Spider Convertible 1971** - Excellent for parts. \$200/best offer. Call Tammy, 433-7187.

**King Size Bed** - Mattress, box springs, frame, \$75. Tammy, 433-7187.

**Loft** - Varnished. Excellent condition. \$negotiable. Call Shanon, 434-6583/Nicole, x4507.

**Miyata Racing Bike** - Only 5 mo. old. Call Dan, 433-9235.

**Big, Comfy Couch** - Best offer. Lynn Drake, 432-9146.

**Very Comfortable Couch & 2 Chairs** - Kitchen set for sale cheap. 433-3552.

**2 Bluestone Lofts** - Painted with shelves, tan carpet, price negotiable. x4462

**Tandy 1000SX** - Printer, software & other accessories included. \$750. Call x7675.

**SUMMER OPPORTUNITY**  
**COLLEGE STATION UNIT FOR SALE.**  
Price reduced on this 4 BR fully furnished BRICK townhouse.  
Best value in H'burg on a student townhouse.  
Call Mike or Jo Ann at Berkeley Realty.  
434-1876

**Bridgestone MB5 Mountain Bike** - 1 year old, well maintained. \$200. Guy, 433-6488.

**3 Piece BR Set + Bed** - Cheap! Call Karen, 434-9820.

**VW Bus** - 1978 Pop-top, excellent condition! Great for everyday or road trips! Stereo, more! Call Todd, 432-0788 or 434-7234.

**Loft** - \$35. Stained, 2 shelves, ladder. Any dorm. Lisa, x7317.

## HELP WANTED

**Summer Employment** - Need dependable energetic young people for moving company. Long hours, good pay. Pullen Moving Company, Woodbridge, VA. (703)550-8077

**Costume Sewing Position** - For JMU Dinner Theatre. May 8 - June 22. \$1,400 & 10 meals/week. Skilled sewers only need apply. Contact Pam Johnson, x6474.

**Summer Jobs** - Work in Charlottesville or Northern Va. Student Services Moving Co. or Student Services Housepainters, Inc. See our display ad on page \_\_\_\_\_. Call (800) 766-6831.

**Computer Sales** - JMU Bookstore accepting resumes from students for next year. Contact Patty Sarb, x6121 for more info.

**Free Travel Benefits** - Cruise ships & casinos now hiring! All positions! Call (602)838-8885, ext. Y4707.

**Summer Camp Jobs** - Are available at resident Girl Scout Camps in Va. Minimum age 18 or graduated high school. Unit counselors, unit leaders, pool staff, nature & crafts directors, cooks & kitchen workers are needed June 15 - Aug. 15, 1990. Call (202)337-4300, Ruth Ensor or (703)660-6286, Maile Sheeran, for an application. Girl Scout Council of the Nation's Capital. Equal Opportunity Employer.

**Attention** - College students, your summer opportunity has arrived. Lots of hours, lots of overtime, travel available, competitive pay. Large Richmond moving company needs helpers & packers. Contact: Personnel Dept., DunMar Moving Systems, 2602 Deepwater Terminal Rd., Richmond, VA 23234. (800)289-4004

**Easy Work! Excellent Pay!** Assemble products at home. Call for info. (504)641-8003 ext. 411.

**Babysitter** - Daytime, summer months, must have car. 434-0871



**Earn \$500 - \$1,500 Part-time** - Stuffing envelopes in your home. For free info., send a self-addressed stamped envelope to: P.O. Box 81953, Albuquerque, NM 87198.

**Living in Richmond This Summer?**  
Summer employment as a day camp counselor is a great opportunity, especially if you love kids & the great outdoors.  
**The Tuckahoe Family YMCA can offer you**  
**"The Toughest Job You'll Ever Love!"**  
Full & part-time positions available.  
Call Beth Norris at (804)740-9622 Today!

**Looking For Someone To Drive To Colorado** - With me sometime in May. 1 way trip only. Kathi, 432-9353.

#### LOST AND FOUND

**Lost** - Men's Ruby Thomasdale High School ring. Reward. Call x4008.

#### SERVICES

**Horizon Sure Tan** is your professional tanning center. Both UVA & UVB rays. Phone 434-1812 or stop by 1106 Reservoir St.

**Valley Auto Glass** - For insurance-approved, mobile service, call 432-0949.

**Battery Supply** - Brand-name quality at wholesale prices. Call 434-5155.

**Word Processing Term Papers, Reports** - Resumes, etc. Judy Shaw, 828-2748.

**Resumes, Typing** - Half-price. Contact Deborah Toth at 269-4001.

**Word Processing** - Call Kendal, 234-8725.

**Typing Service** - 25+ years experience. \$1.50/pg. Call Mrs. Price, 879-9935.

**Typing/Word Processing** - By professional secretary. Liz Middleton, 289-9954.

**Terrific Typist** - Fast, accurate, reasonable. Near JMU. Call Angie, 434-4332.

**Lease Almost Up?** Leasing for summer? Lots to do? No problem! Clean stroke carpet cleaners, professional carpet cleaning at student discount rates. Cheaper than renting messy machines. Average 4 person apt. only \$5 per roommate. Call us today. We'll help you get your deposit back. 433-7954

#### WANTED

**1 Female Roommate** - To live in 4 BR apt. with 3 other girls on Grace St. (directly across from Anthony-Seeger). Call Natalie, x7544 or Mindy, 433-5374.

**2 Female Roommates** - Non-smokers, neat, conscientious, needed for summer. 3 blocks from JMU. No lease required. 434-3101

**1 Non-Smoking Male** - To share 4 BR, 2 bath, fully furnished townhouse with 2 females & 1 other male. August-August. Contact Leslie, 433-5046.

**Roommate Wanted** - Non-smoking female to share 2 BR J.M. Apt. next year. \$175/mo. + utilities. Call Stacy, x7632.

**Female** - For Olde Mill Village next semester. x7340, x4266

**Dorm Size Refrigerator** - Will pay cash. 433-3489

**You** - You to sublet top floor Hunters Ridge apt. May/Summer. Call Mel, 432-0847.

**Used Moped For May Session & Summer** - Will buy or rent. If interested call Preston, 432-0321.

**Wanted** - Roanoke graduates to attend their first official function as JMU Alumni on May 17th. Call 344-3044 or 344-3060 for info. & reservations.

**Extra Tickets For Commencement** - In Case of Rain. 433-5332

**2 Roommates** - Hunters Ridge townhouse. Male/female. Call Mike, 432-0937.

**Room To Rent This Summer** - At Nags Head. Call if you have a space available. Sabine, 434-1678.

**Male, Non-Smoker** - For townhouse next year. \$180/mo. Call 433-4952.

#### PERSONALS

**Heading For Europe This Summer?** Jet there anytime from DC or NYC for \$160 or less with Airhitch (as reported in Consumer Reports, NY Times & Let's Go!) For details, call Airhitch, (212)864-2000.

**ΔΓ Congratulates The JMU Class of 1990!**

**Pig Out!** At the Pig Roast, Reading Day at Hillside Field, 1-6 pm. Johnnie's Heritage & No Shelter.

**Tweed?** Free! Friday! 6-8 pm, WCC Patio! Sponsored by UPB.

**Suctionbutt** - Hiil! Do what? Do what? Moo! Bessie.

**Dance With D-Half's "Most Do-Able" Duo** - Friday at the Farm.

**CPR Classes** - Call 269-2906 for info & registration.

**Adoption** - Love, laughter & a brother's hand to hold. Our family longs for the baby who will fill our hearts. Let's help each other. Call collect, Ron & Karyn, (804)978-7104.

**You've Studied Enough!** Shop till you drop! Benetton, Valley Mall.

**Kim** - You're going to do great on the MCAT. Love, Ken.

**Hunners** - 6 years, months, days - which is it? I can't even tell! Good luck on exams, I love you!

**Want To Sell Or Rent A Moped For May Session** - &/or summer? Lazy student doesn't want to walk to classes. Call Preston, 432-0321.

**Congratulations To The New ΣN Brothers!** Doogie, Yogi, Hunter, Boo-Boo, Bockage, Jerry, Fudge, Hutchins, Tag, Puff-N-Stuff & Rodney.

**Congratulations Class Of 1990 On Your Accomplishments!** The Roanoke Alumni Chapter welcomes you to the JMU Alumni Association.

**Tri Sigma Loves Our Sensational Seniors!**

**June, Sarah, Kate, Beth, Eilene & All My Graduating Friends** - I'll miss you, but this is not good-bye, just till later. Good luck, Love, Sue.

**Congratulations & Good Luck**  
**To all the graduating seniors of Delta Sigma Pi**

**Janet D. & Trish T.** - We built a House together. Thank more than I can say. P.S. When do we do dinner? The Chair.

**Girls** - Tanning time is here. Protect yourself from the sun's harmful rays. Call one of the certified suntan lotion application specialists at Late Nite Aerobics. We rub you right.

**Kathy B.** - Congratulations on your engagement to Scott. ITB, ΔΓ.

**Mickey Canfield** - Has anyone told you that you are awesome today? Happy 2 months! 143CAS.

**Come See Big Richards Final Show!** At the ΣN House, \$2 door, \$1 for Greeks, 10:30 pm.

**ΣΣΣ** - It's been an awesome year! Good luck with finals & have a great summer!

**Will D-Half's Lightweight Be Named Kegdrainer?** Friday at the Farm.

**Tracy** - Uh-oh, you're 22. It's been a great year & were just starting. Craig

**KFRESH** - Surprise! Here's to: Summer '89, sign of the whale, September's, skidoos, leg contests, tie-dyes, PONDSCUM, 'changing states', Amaretto, absolut, coolers??, woody goes here?, spring break, "tie nite", Troy, Chris, hook-up queens, yo baby, what's up with that?, "bug"-a-move, seizures, JMs, Hardees, Burps, that's hilarious, no doubt, "you're wierd", tears (they're healthy), talks & smiles! Thanks for the wonderful friendship! Keep smiling! Love, Jennifer.

**"Just Did It!" ΔΓ Seniors.**

**1990 Roanoke Graduates** - We want you! May 17. The Jefferson Club.

**To My Eta Kappa Big Bro** - Thanks for everything. You are the greatest! Have a good summer. Love, Caryn.

**Ms. Gahm** - What are friends for? Thank! Mr. Serious.

**Christine, Miss Moffit, Tina, Lisa, Nancy & Robyn** - You guys are the best! Love, Your Adopted Suitemate.

**The Finale** - Your last chance to see Big Richard! ΣN House, \$2 door, \$1 for Greeks, 10:30 pm.

**Take A Break From Studying** - Enjoy 1 hour of drama, suspense, music & fun. See The Whipping Boy, Latimer-Schaefer Theatre, April 27, 7 pm; Apr. 28-29, 2 pm, \$1 children, \$2 adults.

**Derby Days T-shirts Still Available** - Call Scott, 434-8516.

**Kristie Kane** - Next time you should stay home to study!

**ΔΓ Wishes Everyone Good Luck On Exams.**

**Rebecca** - Congratulations, 4 years of hard work has finally paid off! I'm really gonna miss you. Good luck beautiful. Love, Darryl.

**ΑΓΔ** - "He conquers who endures." Perseus.

**Players**  
**Reading Day Bash!**  
**Party with**  
**The Jellyfish Blues Band**  
**Live 10:00 pm**  
**Fri., Apr. 27th**

**Juliet** - Happy early 22nd. Here's to another year of love & friendship. Love always, Romeo.

**To All My Friends At JMU + 1 in Spain** - I miss you! Love, Maria.

**Stephanie** - Get psyched for formal! I'm going to miss you & your roomie next year. Get off on your bad graduating selves! Love you both, Kathy.

**Hey Nice Catholic Girl** - Want a piece of candy for your birthday? A Nice Protestant Boy.

**Abbey D.** - Now you're engaged. I really miss Chem 135L. KSandM

**Jill Says**, "Get off on your bad self this summer ΔΓ!" Keep in touch.

**Corinne** - Happy graduation & good luck!

**Confucious Say** - Penguins met months before inspiring part of future.

**B.Boo** - 1 year down, forever more to go. Kisses, cuddles, Apr. 20 & my heart & soul. I love you honey! AAF, Spinky.

**Seniors** - We will miss you all so much! Our best wishes are with each of you. Congrats! Love, ΣΣΣ.

**To My Skinny Precious Prince** - Remember cookies & my first driving lesson? Thanks for an exciting & adventure filled 6 months. Love, your secret admirer.

**All 1990 Roanoke Graduates** - Are invited to the Annual Alumni reception hosted by the Roanoke Alumni Chapter on May 17th. Call 344-3044 or 344-3060 for details.

**40 Yard Dash** - Congratulations on initiation. Good luck on exams. Thanks for the most awesome year. Love always, Cat Eyes.

**Happy Birthday ΣN Brothers!** David Nay, Lee McCullough & Rodney.

**Edgemond** - You must relax! Happy birthday. You too Pete.

**T-Shirts, T-Shirts, T-Shirts**  
**Get your JMU apparel before summer.**  
**Today on the Patio, outside the Warren**  
**Campus Center from 9 am - 4 pm.**  
**For phone orders, please call**  
**432-6818.**

**Congratulations Graduates!** Thanks for shopping Benetton, Valley Mall.

**ΣX** - Thanks for your effort & dedication during Derby Days! Love, ΣΣΣ.

**ΔΓ** - Thanks for making our college years the best! Love The Seniors.

**Cherri** - Remember Psalms 5:11-12. Love, Debbi.

**Circle K** - Thank you for your numerous community service hours!

**Oh Rodney, Rodney, Rodney!** Congrats what happened to you Sunday night. You are so awesome. You stud. A Secret Admirer.

**Kari** - Since you never get'm, but always send'm. Dirt's my name, Tech is my game.

**Widespread Panic** - You are the true champions. I'll miss playing with all of you. Thanks for the good times. Chris

**Ferris** - Every Monday & Thursday you have anxiously awaited your own personal & I have heartlessly dashed your hopes. Until now. Happy birthday, kiddo. I love you! J.

**Cindi Liberi** - You better watch out! Love, Your Alpha Angels.

**Vegas, Hexmister, Huckster, Golem, Rock & Rookie** - Zond rules all games. I'll miss you guys more than words can say. One more game with shots is mandatory. I will rule! "D"

**CS-L Staff** - Each of you made working here all the better! Good luck in everything & don't change. Love, Melanie.

**Mark** - Pages 8 & 9 are awesome. Good work! Tim.

**Pregnant?** - We care. Free professional pregnancy counseling. Explore all your options. You may help choose your baby's adoptive parents. Children's Home Society. Call toll free, (800)247-2888.

**Keister** - Frookies, jacuzzies, silly string, dances. All that's nice, but I'd rather have you. Happy one. I love you, Duba.

**(DC)Terrible** - How's your ego? You sure know how to get what you want. Know my last name yet? Thanks! Fantastic.

**ΣN** - So what's the doctor's prognosis? Great scrub party! ΔΓ

**Remember To Forward Your Mail For The Summer** - Forms available at the Post Office.

**Mark Beltrami** - Thanks for making college bearable, & most of all, for making life so wonderful. I love you. Shell.

**The Jellyfish Blues Band Live!** At Players, Fri., Apr. 27th, 10 pm.

**Cindy Abesa** - Congratulations on your graduation! We love you & we'll miss you. Aileen, Margaret, Lani & Lori.

**Steph** - Hope you enjoyed your birthday & the year like I did. You're an awesome Big Sis! Thanks for making freshman year & Zeta so great. Lil Sis.

**Miss Virginia Poultry Festival**  
**Scholarship Pageant**  
**"Preliminary to Miss Virginia/Miss**  
**America Pageants"**  
**Sat., Apr. 28, 7:30 pm**  
**Montevideo Middle School**  
**Auditorium**  
**General Admission \$5**  
**Good luck to the 7 JMU girls who**  
**will be participating in this pageant!**

**To Upside-down T** - Thanks for New Order & a traffic jam. We became the closest friends. Happy 21st birthday! Don't forget our breakfasts, M & M's, or me. Remember, in my heart, nothing compares 2U. Love, the backwards K.

**ΑΣΑ** - Thanks our Derby Days coaches, Matt & Georgel

**"Mom," S.B. & All The "UPS"** - Thanks for making "Spring 1990" the best ever! Jer.

**Wayne** - There's one on your butt, too. Party on, Garth.

**Come One, Come All** - Senior Pig Roast, Reading Day. 1-6 pm, Hillside Field. \$2 seniors, \$4 general public.

**Meet D-Half's "Best Hat Head" Winner** - Friday at the Farm.

**Speckled Pup** - Here's your personal. I sure am gonna miss you. Love, Elvis.

**Hey Women's Rugby Team!** Many thanks to Colleen, Nathalie, Becky & especially Michelle. What's a president without great officers? Jennifer.

**ΣX & All Sororities** - We had a great time last week. Get psyched for Derby Days '91! ΔΓ

**Lieutenant Kiefer** - "The road is long"...let's travel it together.

**My HoJo's Family** - Your the geatest! Thanks for all the good times, you've made this the best school year ever! I'm going to miss you this summer! Love, Tiny-T.



**ΔΓ** - Loves Dee, Christy, Yoly, Michele, Jennifer & Laura!

**Christy** - What can I say. We're compatible. I'm happy. It feels so right. Love, Your Marketing Research Partner. Study hard!

**Hey Girl** - 6 months coming up fast. Love ya! See you at the house.

**Attention Students** - On Page 227 of the yearbook, Rebecca Kravitz is my niece - it was a joke folks. Steve Zanetti.

**Darryl C.** - ΔΓ loves their new anchorman!

**Kim & Melissa** - College wouldn't have been as much fun without having you as friends. Thanks for all the great memories & those still to come. I love you. Tricia.

**Chaka** - I just want to let you know how wonderful you've made this year for me. I love you. D.J.

**Cami & Sarah** - Congratulations! I'll miss you. Love, Anneliese.

**AXΩ** - Congrats on #1 in Derby Days! ΔΓ

### Mercy House Furniture Drive

May 5th, 9 am - 5 pm

At JM's on the front lawn

Don't throw away your furniture, carpeting, or clothing you no longer wear! Support Harrisonburg's Homeless!

**Study Hard, Play Hard** - Tweed Sneakers, WCC Patio, Friday, 6-8 pm. Free. Sponsored by UPB.

**Tim C.** - ΔΓ Says farewell to a great anchorman!

**Residence Life Staff** - Thanks for a super year. We've all had our successes & our learning moments, but all in all it has been productive. Good luck to those of you who are leaving us. For those of you who will be back, have a good summer & come back fired up for another one. We really do appreciate what you do for us & for your students. The folks in Alumnae.

**Party With The Fish!** The Jellyfish Blues Band live at Players Fri., Apr. 27th.

**Leah & Steph** - Congratulations! ΔΓ is ready to party.

**Steve** - Happy graduation "Bra". May your flat-top always be flat & may your women always be PHat. The Overweight Lover Heavy-D, Gooseman & Burt.

**Amy Y** - E.D. is right. You're awesome! Good luck. ITB, ΔΓ.

### Pig Roast On Reading Day

Listen To Johnnie's Heritage & No Shelter

1-6 pm At Hillside Field

**Puddles** - You have been a special person those last four years. Let the past be forgotten. I'll miss you. George.

**Dena** - There's just something about you. Love, Ken.

**Michele** - Congratulations on graduation! I'm fond of you! Love, Eric.

**Amy, Beth, Dan, Denise, Mel, Traci, Mindy & Sara** - Thanks for a super year. I'll miss you. Love, Bev.

**ΔΓ Seniors** - We love you & we'll miss you dearly!

**Glass Onion** - Reading Day at TKE, 2-7 pm, bar-be-que, sun, \$3.

**Remember To Forward Your Mail For This Summer** - Forms available at the Post Office.

**PB** - Letters, ducks, fields, zoos, movies, dancing, long talks, silly songs, funny kisses...2 great years! I love you. J.

**ΔΣΑ Loves Our Seniors** - We don't want you to go!

**Den** - What's BK stand for? You're defenseless & dumb. Reb.

**The Best Ladies Night In Town!** Players, Thursdays.

**Wesley** - We made it 8 months without killing each other. May the future be even brighter. I love you! B.

**ΔΓ Football Players** - May the tradition continue!

**To The Residents Of 625!** Thanks for all the fun times & the great memories! I'll miss you! Dah.

**Senior Pig Roast** - 1-6 pm, food, beverage & bands.

**They're Here!** Big dog f's, shorts, sipas! At Wilderness Voyagers!

**Monica** - You made my senior year excellent. MLIMA. With love, Keith.

**Draeghn, Specimen Spiff** - from the badlands, Maniac, Isabeau, sud soap, tree, spriggin, Romulus, Remus, Desdinova, TCE, a squid er sapien, jabberwocky, P.pink, simpkin, spechelle, ritten, juner, bickrose, dusk, nude dog, sting, ishtar, Arilian, ronin, mummford, nightmare, freddie, scruffy, super80, ivory, svieta, sandman, Rorschach, tyger, shadowcat, basil & so many others...I will miss you...Remember us to everyone you love. denizen of VAXland.

**Stephanie Cooper** - You are an awesome ΔΣΑ senior! Love, Your Alpha Angels.

**ΔΓ's** - Have an awesome summer!

**Tweed Sneakers** - Last JMU show. Free. WCC Patio, Friday, 6-8 pm. Sponsored by UPB.

**Lisa, Suzette & Mary** - It's been a great year. Good luck after graduation. Love, Cathy, Chris & Karen.

**Heather** - You are the breath beneath my wings. Love, Dean.

**Spike** - Here's to a great relaxing summer! Love you! Chester.

**Losers!** You know who you are. Keep in touch! FNSS.

**Kristine Blake** - Is an awesome ΔΣΑ Senior!

**Claire Wojtal** - I hope you enjoyed your surprise! Tri Sigma will miss. Good luck! Love, your secret Sigmas.

**Hey Girls!** Let's have another Quiet Riot before we go! I love y'all! Laura.

**Fred C301** - It's been the coolest. I'll miss you. Susan.

**Jodi B.** - Congratulations on becoming a new Brother of Delta Sigma & being Best Pledge! You are a wonderful Little Brother & friend. Good luck with everything! I'll miss you! Suzanne.

**Bec, Red, Pam, Prue, Tara, Sara, Emily, Karen, Kate, Rex** - Here's to a loopy year in Shorts40, Jamaica'91, drunk from a thermus, chimney chong lives! Farewell HoJo's!

**Backyard Bash At TKE** - Glass Onion, 2-7, \$3. Sun-n-fun!

**Who is "Cutest in D-Hall Blue"?** Friday at the Farm.

**Sneak In The Last Peek At Tweed Sneakers** - Friday night, 6-8 pm on the Patio. Free. Sponsored by UPB.

**RR** - Thanks for making my last year here the best one! I love you more & more each day. Sam.

**Darryl & Tim** - You guys are awesome! We hope that you got all the mud out of your clothes. Get some sleep! Love, ΔΓ.

**Reading Day Backyard Bash** - Glass Onion, bar-be-que, sun. 2-7 pm at TKE, 635 S. Main, \$3. Raindate: Saturday.

**"DC Zoo July 4th, 1987"** - You will always be a very special part of my life. Thanks for all the wonderful memories. I'll never forget them or you! Love, MJEJ.

**Whoever** - Found my wallet & returned to CP. Thanks! John Harris.

**Lani V.** - Congratulations on being chosen President of Commuters! ITB, ΔΓ.

**Kim MacLag** - We'll miss you! Love, Your Alpha Angels.

**Seniors** - I need 1 extra ticket for graduation. Kevin, 433-3564.

**Monkey** - Are ya runnin'? Ben, Jerry, Emie, Mac & Cheese are at the finish line. Hot Shot.

**Dancin' Debra Serrett** - We'll miss you. Love, Your Alpha Angels.

**Valerie, Lauren** - We've done it! Class of '90. Denise.

### JMU T-Shirts

Sweats, Tank - tops, Shorts

Today, Thurs., Apr. 26

Harrison Hall Breezeway

**Honey Bear** - You are the love of my life. I will love you this day forward forever. I'm going to miss our walks, talks & snuggles this summer. I'm the luckiest woman in the world! I love you. Baby Doll.

**CSL Service Learners** - Thanks you for supporting us. You are the best! CSL Staff.

**Caryn** - Thanks for everything! I'll miss you lots! Love, Suz.

**Darren, Dave & Chris** - Can't wait till next year. Travis, sorry about this year. Jen, you mean a lot to me. Let's take our time & make it work! ΣΦΕ, thanks for the warm acceptance of 2 ODU Brothers this year. Love, Tan.

**Catherine** - Here's to Psycho Nuts, New York guys, swirly suits, midwinters roommates, 3C/1B & next year! I love you! Tonya.

**"Little Twig" & "Running Sow"** - The 3 B's forever. I love you guys! "Little Head".

**Send Off The Seniors!** All welcome! \$2 Seniors, & \$4 general at the door. Senior Pig Roast on Reading Day.

**Anne Angel** - Look at that earthworm! Have a blast in Co-Find "The Man"! J. Crew & Britches forever!

**Tami Scarole** - I'm sorry about being a foreigner this semester. I'll miss you next semester when you're in Paris. Good luck on your exams. Love, Jill.

**Congrats J.Ryan On ΣΑ!** Love, Your Big Sis.

**Tommy B.** - Forget the past & party our asses off until May 6th! I'm graduating! I understand more than you think! Georgia.

## Late-night

► (Continued from page 2)

Milford, Delaware, native just looks at the pair out of the corner of her eye.

After the bill is paid and everyone has turned to walk out the front door, an older man with a gray beard and lots of pins and buttons on his suitcoat approaches the group.

"Ever seen one of these before?" he asks, producing a can of chew.

"Yeah."

"Do you know what it is?" he asks.

"Yeah."

"Want some now?" he asks.

"Not really. It's kinda late."

"Here, try some." He opens the can and inside are two acorns. Just one of your average late-night encounters, right?

He drops an acorn on the floor, steps on it and out of the crushed nut bursts a condom.

Five college students are out the door pretty quick, the old man laughing behind them.

"Maybe he was a gimmick salesman," Wendy offers in the car and a few blocks away down Market Street.

"Yeah sure. And maybe he was an over-sized squirrel practicing safe sex."

Back in front of the computers, Dave can hardly sit still. He's wired, feeling the effects of "several hundred milligrams of caffeine shooting through [his] veins."

Jen is curled up in front of her monitor with her stuffed bunny and comforter. The bunny, she insists, has no name. She just got it for Easter.

Christy is asleep on her desk, her paper finished.

Jen falls asleep on her old desk.

At 6:02 Dave lifts the shade and the sun's first light has touched the sky.

"Sunrise," he shouts.

# THE BACKROOM

Presents



Thursday, April 26th

THE

BACK ROOM

7 p.m. - 11 p.m.

\$3.00 Cover

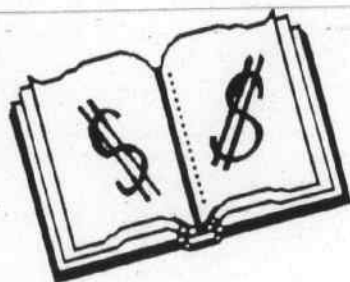


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Bookstore

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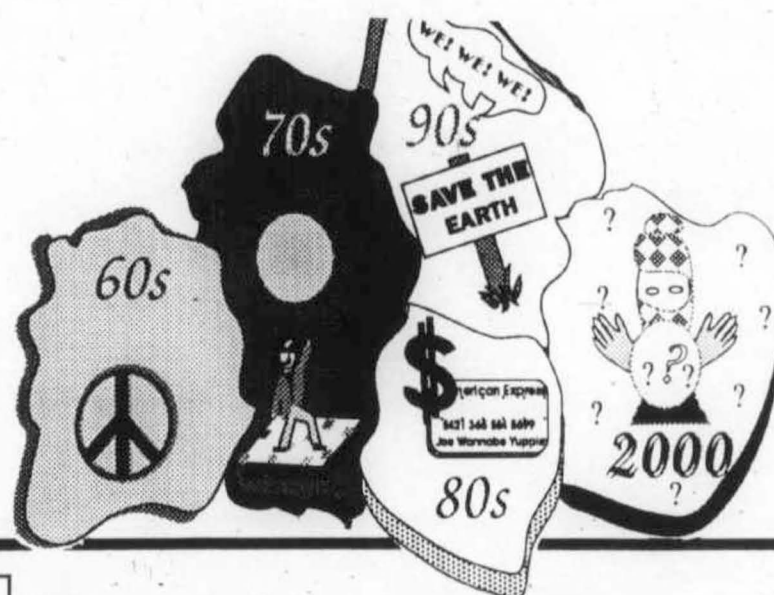
 <b>only</b> <b>\$15.95</b> <small>one coupon per order</small> Two Large Pepperoni & Extra Cheese Pizzas & Four 16 oz. Drinks EXPIRES 5-2-90 <small>We reserve the right to limit delivery area.</small> COUPON <b>433-3776</b>	 <b>only</b> <b>\$13.95</b> <small>one coupon per order</small> Two Large One Item Pizzas & Four 16 oz. Drinks EXPIRES 5-2-90 <small>We reserve the right to limit delivery area.</small> COUPON <b>433-3776</b>	 <b>only</b> <b>\$8.95</b> <small>one coupon per order</small> One Large One Item Pizza & Four 16 oz. Drinks EXPIRES 5-2-90 <small>We reserve the right to limit delivery area.</small> COUPON <b>433-3776</b>
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# DECADE

A Breeze Look Into The 1990s

THURSDAY, APRIL 26, 1990



## Home is on the streets

Homeless face no-win situation

By Jennifer Bley

The cardboard box his only protection against the rain, he pulled the ragged blanket more tightly around him as another gust of wind blasted through his shelter. His life possessions — a book of matches, a crumpled up newspaper and an open can of tuna — lay next to him.

Joe, homeless for seven months, said his search for a job was stuck in a downward spiral. "If you don't have a residence then you can't get a job, and if you don't have a job you can't get a residence," he said, staring at the wet grass.

Joe's makeshift home is located near the Smithsonian Metro Station. "See that can over there?" Joe asked, pointing to the trash can. "That's where I ate tonight. Normally I'll go to a kitchen or something, but the rain is too cold."

Joe is only one of thousands of homeless in Washington, D.C. And others all over the country share his situation.

Sharon Devers, administrator for the Love Gospel Assembly in the Bronx, said homelessness used to be only an urban problem, but now it is being fought in the suburbs as well.

"Homelessness is on the rise at an alarming rate," she said. "It seems the rich are getting richer and the poor are getting poorer."

### The characteristics

The faces of the homelessness haven't changed much. "They're as diverse today as they were yesterday," said Janet Dolan, a volunteer at Harrisonburg's Mercy House.

"There are many single mothers and fathers," said Paul Doman, branch chief in the office of special need assistance program of Housing and Urban Development. HUD has taken notice to these cases and proposed the single family property disposition. "We use the federally-owned property and provide adequate shelter for them."

"We can't close our eyes," Devers said. "It's time we take action and get involved."

JMU sophomore Tim Wedding spent his spring break working with the homeless in



Lack of government housing forces many to seek shelter on Washington, D.C. streets.

Top photo by Laurel Haskell  
Right photo by Vasha Hunt

New York City with Intervarsity Christian Fellowship.

"I've found that the people we term 'homeless' are the friendliest, most intriguing people I've ever met," he said. "Fear of the unknown is hard to face, but after we take that first step to reach out, we find others reaching back."

Wedding remembers one person who really changed the way he views the homeless.

"Maria worked at St. Paul's house in New York, distributing clothing to the homeless," he said.

"Several years before, she herself had been addicted to drugs and was struggling with the same problems that many of those that she was helping were still dealing with," he said. "What struck me was that although Maria could have left, she reinvested her life back into the community."

"Her strength was in her ability to turn her own problem into service for others."

Doman said there are 600,000 to 700,000 homeless people in the United States, "but it depends on where you

sit." "The numbers aren't important — the homeless are people who need help quickly," he said. "It's possible to get so caught up in the numbers and statistics that you miss the actual people."

"This is a problem that needs to end," Doman said. "There are 19 federal programs to assist the homeless. One is the Emergency Shelter Formula Program, which has a budget of \$75 million. It gives large cities

see HOMELESS, page 7

## Breaking into first job to be easier than ever

By Julie Falconer

Landing good jobs may be easier for today's college graduates than in the past because of a projected labor shortage in the 1990s.

The surplus of graduates in the 1970s and 1980s created a lot of competition among graduates in the job market, and according to the U.S. Bureau of Labor Statistics, about one of every five graduates obtained jobs not requiring a college degree.

Now, with fewer people entering the '90s work force and increasing educational requirements for many jobs, the surplus is decreasing and the competition is easing.

"The tide is turning," said Judith Bent, owner of Professional Recruiters, an employment agency in Harrisonburg. "I really and truly believe it's going to be a better time for graduates."

However, multiple career changes will be the norm in the rapidly changing work world of the '90s.

For most people, a job will be a phase in a career, not a career in itself, according to Helen Nafziger, a career counselor at Eastern Mennonite College.

So graduates in the '90s "need to know how to look for a job, because they're going to

be doing it more than any other generation has," she said.

"The person who stays in one job until he gets the gold-plated rocking chair doesn't exist anymore."

Jim Lincoln, interviewer supervisor at the Virginia Employment Commission, said graduates in the '90s "shouldn't be surprised if they hold four to five jobs for the first 15 years in their work career, before they find a niche and settle down."

One reason for frequent job changing in the '90s is the increase in business mergers and buyouts. When a business merges with or takes over another business, a lot of jobs are lost in the process, Lincoln said.

Many students also fall into the wrong career path after graduation. "There's an awful lot of pressure to get a job as quickly as you can, and there's a tendency for graduates to take the first job that meets their salary requirements," Lincoln said.

And according to Mary Morsch, a JMU career counselor, many graduates don't make conscious career choices and end up with jobs they don't like.

"In the midst of their careers,

see JOB TRENDS, page 8

### Caring about others

## Here 'we' come

By Jennifer Powell

Get ready for the "we" generation.

Each generation or decade has its own identity. Young people in the 1970s were the "me" generation, during a time abounding with self-help books and young people trying to "find" themselves. The 1980s saw the "mine" generation, characterized by the outright greed of the yuppies, Wall Street and Donald Trump.

And although "the Donald" may still be making news, the 1990s generation is already beginning to take hold.

In general, the '90s generation is now young people in their early twenties who are either college students or recent graduates. These young people may even be beginning to build careers, get married and have children.

And it is these students who already are characterizing the generation as one which cares for other people and society.

JMU senior Dave Wallace, a finance major, calls the '90s generation the "concerned" generation.

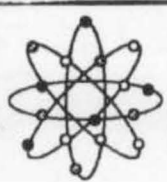
"There's no way to avoid it," Wallace says, because of the way issues like homelessness and the safety of our environment are publicized.

"I hope that we're not going to concentrate on money like the '80s did," he says. "A lot of us are planning to go out and earn money... but [money's] not going to matter and we're going to learn that. Some things are more important," he says, including "each other, humanity and the environment."

Dr. Cecil Bradfield, a JMU sociology professor, says students

see WE GENERATION, page 4

INSIDE



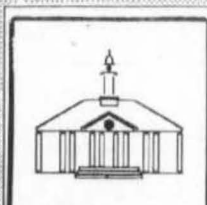
Working together to clean up the planet.  
Page 9



Zap! You could control your house from your computer.  
Page 4



Winds of change swept across Eastern Europe.  
Page 6



Campus wide TV to reach other countries.  
Page 10



Corporate fitness: combining work and workout in one.  
Page 5



Want to be Daddy Warbucks? Learn how to save for the future. Page 8



There's more to entertainment than your TV set.  
Page 2





# ENTERTAINMENT

Music • Television • Sports

DECADE  
THURSDAY, APRIL 26, 1990

## A glimpse at the media explosion

By Kiran Krishnamurthy

It's a rainy afternoon in the year 2009 and your teenage son is rummaging through a trunkful of your memorabilia. He tosses out a faded college sweatshirt, throws aside a few photos and inquisitively holds up a record album.

"What's this?" he asks.

You try to describe its purpose, but your explanations of the archaic object mean nothing to this 21st-century child, reared on compact discs and digital audio tapes.

Today, the quick pace of technological advances is overwhelming, especially in the field of communications. Dr. Roger Soenksen, a JMU associate professor of communication, says the growth of media changes is "snowballing at a much faster rate as the cycles between new developments become smaller."

It's taken nearly 40 years for television to reach the end of a cycle that began in 1954 with the introduction of color. And until recently, the long-playing record album had managed to exist unrivaled for over 100 years.

But the advent of CDs, digital audio tapes, high-definition and three-dimensional TV and interactive home computers are challenging today's electronic standards and should prove to be worthy competitors in the consumer market within the next 10 to 15 years.

And today's college students will be forced to keep on top of the emerging advances as they enter the business world and raise families beyond the year 2000.

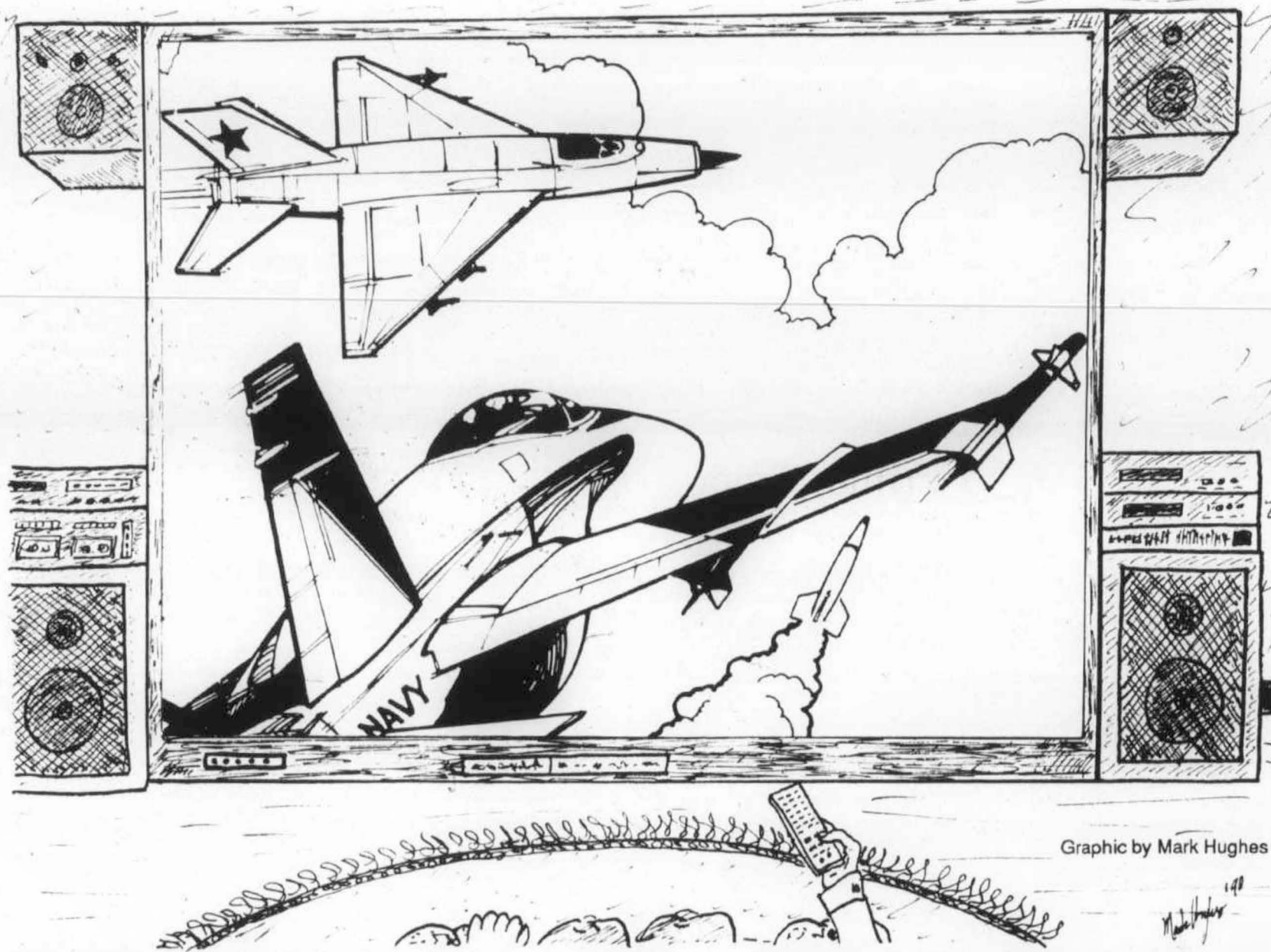
"The next decade proves to be exciting. There's a possibility that some of the new technology will wipe out, or at least drastically alter existing modes of communication," says Dr. George Johnson, also a JMU assistant professor of communication.

### Compact discs

The truth in Johnson's prediction is apparent in the amazing takeoff of compact discs. Since its 1983 birth in the marketplace, the virtually noise-free CD has continually surpassed the LP album in sales.

According to a 1989 statistical abstract, the number of CD players sold grew from 45,000 to 1,675,000 between 1983 and the beginning of 1988, while turntable sales fell from about 2,120,000 to 1,382,000.

The CD also has continued to win public favor, as its price has remained relatively stable, about \$15. Even the cost of



Graphic by Mark Hughes

owning a CD player continues to fall from more than \$500 in 1985 to less than \$200 today.

The CD's well-defined niche in the recording industry and consumer market means record albums inevitably will become obsolete, Johnson says. "The album will join the ranks of 78 rpm records and 8-track tapes."

Soenksen adds that the complete switch from LPs to CDs is near, and will include CDs which can be recorded on at home by the consumer. "Record stores are now CD stores, and boast of having the largest collection around. It's planned obsolescence," he says. "I'm having to replace all my Jefferson Airplane, acid rock albums with CD versions."

### Digital audio tapes

And even before consumers had a chance to breathe after the rush to CDs, they are faced with a rival, or at least a coexisting form of digital recording and playback — Digital Audio Tapes, or DATs.

Although DATs are not available on a widespread basis in the United States, their success is almost certain. DATs are about the size of microcassettes used in answering machines and hold nearly four hours worth of music.

Johnson says DATs will win Americans over because of their portability and extended recording time. "They'll be the choice for those long road trips."

But he adds DATs might be slow to take hold due to the recorders' price tags — more than \$6,000 for a single tape deck — and because of opposition from the recording industry.

The music industry is concerned that owners of DAT recorders will be able to produce

DATs are slipping through U.S. borders. As their availability increases, prices will drop, putting them in the hands of consumers. In 10 years, Johnson says, a digital recorder might cost as much as today's audio cassette recorder, which he says is doomed to "bite the dust."

The audio business isn't the only industry leaping into the 21st century. Communication in general is moving in an almost totally visually-oriented direction, Soenksen says. Au-

Sony Walkmans that play music videos, he says. "People won't want to just listen to music, they'll want to see it."

### High-definition television

Also at the front line of emerging video technology is high-definition television, or HDTV. The Japanese presented their version of HDTV in 1981 and have since integrated it into their public broadcasting system.

HDTV is void of flickering and fluttering images and offers cinematic picture quality by providing high resolution. It has 1125 horizontal lines in its screen, a big improvement over today's 525.

Andy Lippman, head of the movies of the future department at Massachusetts Institute of Technology, compares HDTV with today's standard TV in Stewart Brand's book, "The Media Lab."

"When you see the two pictures side by side... it's like night and day," Lippman says. "You wouldn't believe how much [HDTV screens are] shimmering until you see one that isn't. You try it, you like it."

HDTV's future is still being studied in the United States. Researchers are continuing to

refine the process beyond the Japanese version, which is now considered outdated.

Despite the red tape, Johnson believes HDTV or an altered improvement will reach the United States soon. When it does, its price may be close to \$3,000 — over 10 times what people pay for a TV set now. But that isn't a problem, says Soenksen, because Americans are willing to pay extra money for a move up in TV standards.

### 3D television

Further behind HDTV in development is three-dimensional television, or 3DTV. The Media Lab's Stephen A. Benton, director of MIT's holography projects, describes a recent 3DTV experiment as "the ultimate rubber TV set that can display a video image to match any [TV] standard, including ones not being considered so far."

But director of the Media Lab, Nicholas Negroponte, says 3DTV will probably enter our lives about 10 years into the next century, while HDTV is a very real and immediate option.

"HDTV will be the biggest boom to TV since color," Soenksen says. "My daughter can't believe sometimes that there's no color on TV. She says, 'The TV's broken.' And I say, 'No, that's the way it used to be — black and white.'"

It appears HDTV and 3DTV will shove today's television standards into the 'used-to-be' attic with black-and-white photos, bell-bottom jeans and turntables.

And dated versions of the home computer will be soon to follow as antiques. Soenksen says TV and newspapers won't be the only medium delivering news in the future — an MIT project called Newspeak could easily revolutionize how and what news we receive.

Newspeak is an electronic newspaper viewed over a home computer that is linked to news-gathering sources like TV networks and the Associated Press and United Press International wire services. The computer even can be programmed to select only news which appeals to an individual's tastes, such as world and local news, food, money and people.

By simply touching the screen, a viewer can select a category and then choose from stories that are accompanied with still graphics and moving film.

"In the future," says Soenksen, "the home computer you use now will be your Edsel. And if you're using it 15 years down the road, your kids are going to call you a nerd."

*"It's only a matter of time before kids will be armed with Sony Walkmans that play music videos. People won't want to just listen to music, they'll want to see it."*

— Roger Soenksen

bootleg digital copies of recordings equalling the quality of originals sold at full price. At one time, they threatened to sue companies selling the products and are still fighting their importation.

But to the industry's dismay,

dio CDs capable of storing videos already are available in local record stores, and the encoded video can be played on high-priced video disc players.

It's only a matter of time before kids will be armed with

## TV's popularity won't overshadow theatres, movies

By Tina Casagrande

"That's entertainment," an old Broadway tune asserts. But as we head into the last decade of the century, we may wonder what it is that will be called entertainment in the future.

Many factors will influence the paths Americans will follow in search of entertainment in the 1990s and beyond. Where will people in the '90s go to get away from their home lives? Will people continue to watch television on 24-inch screens, or will high definition television take over the smaller screens? Will we listen to music on audio tapes, albums or only compact discs? Is the theater a thing of the past, or will it emerge once again as a wide-spread form of entertainment?

These questions are frequently addressed by industry predictors and scientists alike.

Now, when people want to get out of the house and do something entertaining, they often go to the movies. Despite the emergence of VCRs and home video rental stores, movie theater attendance has slowly increased over the last 10 years, according to JMU communication professor Charles Turner.

what he calls the "mediated experience," where they are enveloped by the darkness of the movie theater and are mesmerized by the play of light on the big screen. When people go to see a movie, they leave reality behind and enter the world of the action on the screen.

Although home video rental has found a profitable market, watching movies at home won't take the place of the big movie screen, says Robert Olson, senior associate at The Institute for 21st Century Studies in Arlington.

"There will always be a market for a big screen," he says. "People cannot be pinned down to one particular dimension of entertainment. They need the social interaction of a big group experience."

Viewers will be able to be part of the "mediated experience" that Turner says is movie theaters' essential attraction. Olson says it's possible this could happen by 1995.

Olson says cable television is one reason watching television is so popular. People have a wider selection of programs to choose from because more stations are available, stations that are able to target themselves to a specific audience.

This "narrowcasting" has become the motto of cable companies. We now have the Home Shopping Network, the Weather Channel and Home Team Sports to cater to the specific needs of individual viewers. People can watch the weather 24 hours a day, catch any sporting event or shop by phone.

Cable also has pulled viewers from the movie theaters and brought them home to watch movies. Stations like HBO, Cinemax and The Movie Channel provide yet another way for people to see movies without leaving their favorite armchair.

The growing popularity of these film channels has coincided with the popularity of the VCR. Not only can you watch recently released movies on cable, but you can tape them on your VCR and save them forever.

One factor that will keep movie theaters from becoming extinct is the intense involvement in the action viewers experience in the theater.

"No matter how big or how clear our home screens become, there will always be outside distractions, such as the telephone ringing or getting up to go to the bathroom and pausing the movie, that will keep us from having a total 'mediated experience,' similar to the one we re-

ceive at the movie theater," Turner says.

Video games also are an example of technological advances in entertainment. Although Atari home video games are not as popular as they once were, the company is working on new games that will be more involved. Olson says Atari is trying to develop a system where their home video games can be networked across state lines through the telephone line. This advanced system will depend a great deal on the development of fiber optics.

"Fiber optics are the key to the future," Olson says. Judging from the way the courts have been fighting over who has the right to transmit and install fiber optics, "it is not probable that they will be in place by the end of the '90s," he says.

"Most people believe there will be a convergence of entertainment trends in the future," Turner says. The shopping mall and the rock concert will come into the home. Perhaps even the daily commute to the office will someday become obsolete.

"The only thing we can do is predict," Olson says. "Technology could take a sharp turn and throw us all for a loop."





## Cable TV is geared for take off

By Doreen Jacobson

Imagine sitting down on a plush white leather couch, flicking on a miniature motion picture screen and flipping through the 86 channels available at your fingertips with a remote control.

In the '90s, this scene may not be a fantasy — it could be the future of television.

Cable TV is expanding its programming options and high-definition television, a motion picture quality TV, already is being used in Japan. Entertainment in the future may even consist of receiving your video services through the local telephone company.

"Cable TV is not in infancy, but it's still a little kid — growing and growing," said John Flinn, editor of *Channels*, a magazine for television viewers.

Ten years ago, the major networks had 93 percent of the total viewing audience. Now, only 61 percent of the total viewing audience tunes into the networks.

And in February 1980, the A.C. Neilson ratings company discovered that 19.8 percent of American homes received cable television. In February 1990, 57.8 percent subscribed to cable.

"The growth of cable has been phenomenal," Flinn said. "Ten years ago, CNN didn't exist, MTV didn't exist — it was just HBO and the other movie services."

National cable TV officially began in the late 1970's when Home Box Office, a local service in New York, was put on satellite, Flinn said. "It was the birth of the first nationwide cable channel."

Since then, cable has grown to include hundreds of channels all over the country.

In 1988, the average cable system offered 32 channels with fewer than half of the channels being broadcast stations.

Flinn attributed cable's growth not only to growing technology but also to the taste of the American public. "America has an incredible appetite for entertainment, news and sports. It's insatiable."

Johnson, however, said cable does not really offer more.

"Although there is more programming, there is not more variety," he said.

And the affect on smaller towns like Harrisonburg can be both beneficial and detrimental. Cable does allow small-town viewers more channels and clearer reception.

"Cable brings in lots more news and entertainment than local TV could ever afford," Flinn said.

But problems with cable company monopolies and exorbitant charges continue after the industry deregulation in 1984.

In some towns now, cable is almost mandatory

### TV GUIDE

#### Prime-Time Viewing Television

8:00 8:30 9:00 9:30 10:00 10:30 11:00 11:30	NBC Unsolved Mysteries Night Court Dear John A Day in the Life of the White House News The Best of Carson	ABC Growing Pains Head of the Class Doogie Howser, M.D. Anything but Love China Beach News ABC News Nightline	CBS Garfield: His Nine Lives Jake and the Fatman Rescue 911 News The Pat Sajak Show
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#### Prime-Time Viewing Cable

8:00 8:30 9:00 9:30 10:00 10:30 11:00 11:30	ESPN College Baseball JMU v. Richmond Pro Basketball L.A. Lakers v. Detroit Sportscenter NASCAR racing from Miami	LIFETIME Moonlighting Don't Divorce the Children Helping Children Survive Divorce Born Famous Spenser: For Hire This Evening	DISNEY The Man from Snowy River Carol King Going Home Six Pack
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8:00 8:30 9:00 9:30 10:00 10:30 11:00 11:30	HBO BAT 21 One Night Stand Dead Ringers	Cinemax Running on Empty Rain Man	USA Murder, She Wrote Personal Affairs Miami Vice Mike Hammer	TBS NBA Basketball Indiana v. Atlanta She Wore a Yellow Ribbon Rio Grande
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74 MORE CHANNELS ON NEXT PAGE

Graphic by Doreen Jacobson

Now cable operators can charge more for the basic cable service.

Increased channels and better service may also drive up cable's cost.

The future of cable programming will be affected most by three things, according to Flinn: technology, direct broadcast satellites and high-definition television.

A lot of cable systems have been around for 10 or 20 years, and now they are rebuilding and replacing their equipment. With the new technology available, cable systems could provide between 40 and 80 channels for viewers to choose from.

High-definition television, or HDTV, is a new television system that will provide improved color, sharpness and detail. No more will a clear picture and sharp color be sacrificed for the larger screen.

HDTV also has a wider video band, providing 35-mm motion picture quality, rather than the current 16-mm system.

But because of the larger band width, HDTV is incompatible with the current television system. And the FCC and broadcast industry are leery of allowing a change to adapt HDTV to the current system, because it could make the current system out-of-date, and unusable.

In 1992, a decision will be made concerning how to handle HDTV and the adaption process.

Cable and its unlimited space constraints could eliminate the competition of the video marketplace if HDTV becomes a standard in the American household, because the networks cannot readily adapt.

But there is also one major threat to cable lurking on the technology frontier — fiber optics eventually could replace conventional cable systems.

Fiber optics is essentially a small fiber "about the diameter of a hair," Johnson said. It's made out of glass, can be fused like wire and carries an enormous amount of data.

Fiber optics can send "a book one mile thick in half a second," Johnson said.

In addition to the countless information fiber optics can carry, it also provides for interactive, two-way communication. One- and two-way communication systems are like a "single highway compared to one with eight lanes," Johnson said. "It can handle a bunch of traffic."

Telephone companies have begun to install fiber optic cables as part of their telephone service, and this could lead to the local phone company controlling video services as well.

Subscribers would have access to whatever service — video, audio or informational — they want at any time.

"Fiber optics will take off," Johnson assured. "But with what penetration? It depends on the next five years."

for good reception, and scant competition has allowed companies to set their own charges for service.

Broadcast television still costs the same price it did sixty years ago — nothing. Cable, on the

other hand, is paid for by the consumer because of its wide variety of programming.

Before deregulation, cable was forced to earn its profits from the premium channels because the FCC controlled the prices on basic service.

## DECADE

A Breeze Look Into The 1990s

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Dear Readers,

As the managing staff of the advanced news editing class supplement, we hope you'll take the time to read this special edition of *The Breeze*.

*Decade* is a *Breeze* look into the future, an offering of what we feel is information we can all use as we head into the '90s.

We would like to thank *The Breeze* staff for allowing us to produce this special issue. There are many people who helped us in putting this together who we have not mentioned, and we would like to thank them as well.

Have a great summer and happy reading.

Sincerely,

Meghan Johnson  
Mark Valade  
Mary Grady Walsh  
Wendy Warren

Page 1 graphic by Doreen Jacobson

## Money, TV dictate sports' future

By Tim Watson

"It's just a diversion. Some people go to a theater. . . others go to watch a game." — Paul Runnels, WHSV-TV sports director

Professional sports are attracting increasing numbers of fans — and the result is large sums of money for teams, players, cities and towns.

And in the 1990's, the numbers will just keep increasing.

Recently, all three major networks, NBC, CBS and ABC, plus cable networks ESPN and the Turner Television Network signed big contracts with the National Football League totaling over \$3.6 billion.

Also, CBS just signed a new contract with Major League Baseball worth over \$1 billion.

These large contracts mean more money for the teams, which in turn means more money for the players. "The players are not unhappy with the new TV deal," says Doug Allen, assistant executive director of the NFL Players Association.

He says that NFL salaries rose an average of 43 percent over the last two seasons to an average of \$300,000 per player in 1989, without the league teams receiving any more money from television broadcasts of their games.

"So we expect [TV revenues] to go up even more now," says Allen.

Don Mattingly of the New York Yankees became the highest paid baseball player in history on April 9, 1990 when he signed a five-year-contract worth a total of \$19.2 million.

"I think [salaries will] keep rising. There's no doubt about

it," Runnels says. "A recent survey just came out saying that the average salary of a baseball player will be about \$1 million a year at the end of the nineties."

Cities and towns also are benefiting from sports; some even depend upon them. The recent baseball lockout was financially damaging to the spring training sites of major league teams. In Port St. Lucie, Fla., where the New York Mets hold spring training, officials say they lost \$1.5 million a week without baseball.

College sports also are profitable to some schools, according to Dean Ehlers, JMU's director of athletics.

"All sports at JMU operate at a deficit," Ehlers says. "10 percent or less of the schools of in-

tercollegiate athletics generate enough [money] to show a profit."

However, according to Ehlers, the University of Tennessee football team sells out their 95,000 seat stadium at \$14 a ticket. "It's big business when you're talking over a million dollars a contest," he says.

The proceeds earned from the 1990 NCAA Division I Men's Basketball Tournament totalled over \$35.5 million, with the Atlantic Coast Conference taking over \$5 million of that total.

"I think men's basketball has captured the imagination of America," Ehlers says. "I think it's bigger than the Super Bowl."

Recently there have been proposals to divide the tourna-

ment winnings evenly among all the member schools. That way one team or one conference won't take most of the money.

"There's too much money there; there's too much temptation to cheat," Ehlers says.

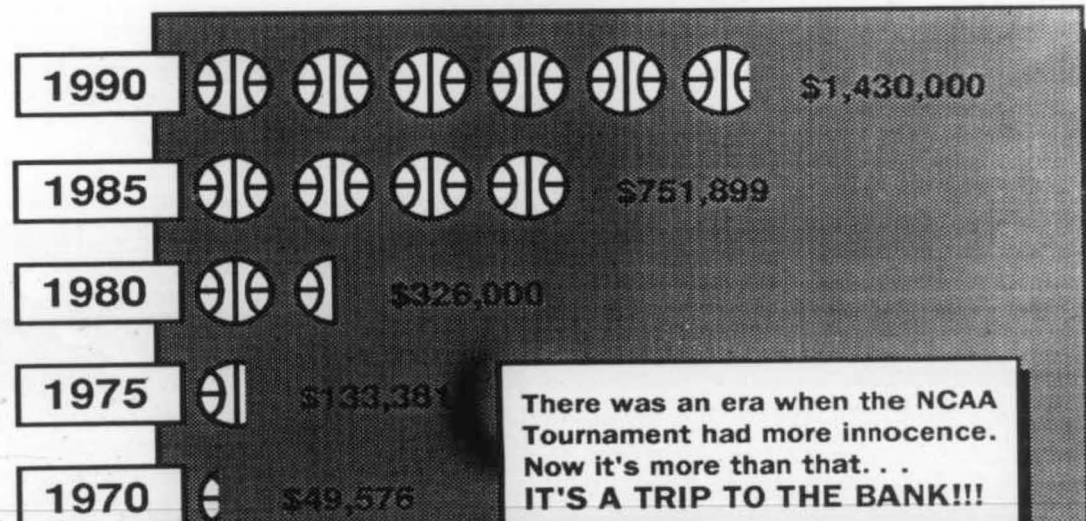
Ehlers thinks JMU has to look into moving up their football program from I-AA to I-A. "The potential is there for moving up a level," Ehlers says. He says that moving up a level would bring more money to JMU and to local hotels, restaurants, retail stores and gas stations.

Ehlers says, "We are in the entertainment business . . . it gives [people] something to do, something to talk about. It gives them a chance to let off some steam."

Graphic by Tim Watson

## NCAA TOURNAMENT

Total payout to teams







## Smart homes may aid '90s families

By Kristen Simpson

Ah, the Jetson's, that space-age family that fascinates 20th-century barbarians. We watch Jane whip up dinner by pressing a few buttons on her computer oven, while we must give up an hour of prime television viewing to labor over a hot stove or try to figure out how to microwave a whole turkey.

Couch potatoes, it's time to rejoice. In the not-too-distant future, it may be possible for us, too, to program our entire kitchen in advance to prepare a meal for us. This will be possible with the "smart house," and the program is being implemented in hundreds of American homes already.

One company involved with the smart house project is the National Association of Home Builders, which estimates that systems for centrally controlling all home equipment will be installed in 1.6 million homes by 1996, and retrofitted into almost that many existing homes by the same time.

The functions these systems are capable of will revolutionize daily living. All appliances in the home will be linked to a central computer, including telephones, kitchen appliances, heating and cooling systems, audio and video equipment, doorbells, televisions and cable service, and lighting. There will be no need for separate telephone jacks or complicated stereo wiring — everything will be connected to a single band of cables using a simple plug configuration.

With the telephone, television remote control, and/or a home computer, the system can be activated and programmed from anywhere in the house, or by telephone from anywhere outside.

The most obvious benefit of the system is its time-saving



Graphic by Carol Hendrick

capabilities. With so much going on in our lives, it will be helpful to eliminate the daily tasks we do without thinking. For example, when we leave the house, a single button will turn off all the lights and any appliances accidentally left on, check to see that all doors and windows are locked, and open the garage door.

And before leaving the office

*One woman in Massachusetts reported that her air-conditioning bills fell from \$200 to less than \$90 a month.*

at night, we can call home and program the system to do anything from preheating the oven to running a bath for us as soon as we get home.

During the nineties and into the next decade, we will be-

come increasingly reliant on these home systems. With the advances in fiber optics, more and more services will be available at a lower cost. Right now, it costs \$2,000 to install the most basic system, and prices

for systems in luxury homes reach as high as \$100,000.

But according to Ken Gernia of NAHB, the cost will go down rapidly as technology increases, just as it did with digital watches and calculators. "It's the nature of the beast," he says.

The initial high cost is worth it to some who feel that the amount is significantly offset

by lower monthly power bills. One woman in Massachusetts who owns a smart home system reported that her air-conditioning bills fell from \$200 to less than \$90 a month.

This is due partly to the fact that homes are able to be programmed to be heated or cooled in sections — for example, in the winter a home may be warmer in areas where the most people are at the time, and cooler in unused rooms.

Another factor is the greater effectiveness of home appliances when operated on a low-voltage DC current, as opposed to the high-voltage AC current now used. Through this closed-loop power system, each piece of equipment will be able to "communicate" exactly how much energy it needs to operate, eliminating wasted energy and prolonging the life of appliances.

Another advantage of the closed-loop system is the elimination of safety hazards and electrical fires. Because a certain signal must be sent from each appliance to communicate how much energy to send, a child's finger or a metal hairpin will do no damage if inserted into a socket. Also, the system will be able to identify a power leakage or overload, and then shut off the malfunctioning appliance to prevent fires and shortages.

In a society where crime rates are steadily increasing, a smart home system also will provide an extra sense of security to its owners. Besides checking locks, the system will be able to detect a possible break-in and activate lights and an alarm. It will also automatically place a call to the police.

With so many benefits, the smart home concept should gain popularity over the next few years, especially as prices decrease. Like microwaves and VCR's, it's a futuristic invention that soon will become indispensable.

## The '90s: a 'we' generation

from WE GENERATION, page 1

today know there is a "broader notion of success."

Students are not just accumulating for themselves, Bradfield says — they have a concern for others.

Kris Roberts, a JMU junior political science major, says, "The '90s is going to focus more on the future and self-betterment."

"It will be kind of like the '70s, the me generation, but more extroverted, more determined" to help other people, Roberts says.

### The service generation

Roberts says another possible name for the generation is the "ours" generation — a generation that has concern with itself but also wants to help others.

Junior Eve Menster, a political science major, agrees.

"People seem more involved, less self-involved," she says. "People are working together." She says groups like Together and EARTH are a result of such involvement.

As the coordinator of JMU's community service organization, the Center for Service Learning, Bradfield says community service is in the "beginning to middle stages of resurgence."

This is CSL's second year in full operation, after a year and a half of planning.

Bradfield says he has been "very pleased" with participation in the center. In the 1988-'89 school year, between 950 and 1,000 students served the community through the center.

This year, the number rose to between 1,200 and 1,300.

In the next generation, Wallace says, "A lot of people will concentrate on community service."

He has spent time working with the Special

Olympics through JMU's chapter of Sigma Nu fraternity and plans to continue community service after graduation.

"We had a blast," he says. "You feel so good helping people. I think people are going to realize that."

### Changing society

Dr. James Steele, a JMU sociology professor, says community service is helpful, but takes care of only short-term needs. Long-term solutions for problems need to be found.

"I admire people who recognize social issues, but [they] should change structural problems," Steele says. Political and economical problems need to be addressed before social issues.

And he says the '90s generation may be able to accomplish this goal. The generation is "somewhat more conscious of issues and probably more sophisticated," therefore taking their education more seriously than in the past and learning about more than just making money.

### Media-aware

But some people don't agree that "we" fits the new generation. Sophomore Will Bowles says, "It's trendy to be 'we,' but I don't think it's going to be that way."

Bowles says the issues people are concerned about now, including the environment and the homeless, are viable issues, but many students are concerned because caring is "in." He says the '90s generation is "media-aware," having been raised on television.

And Steele says much of the '80s is reflected in the '90s.

"I don't see that much change right now," Steele says.

Often, he says, people "fail to see a continuity in change." Much of the early '80s was similar to the '70s, and the early '70s was characterized by the late '60s.

## '90s family life

*Finding new sources of quality time*

By Karen Preston

*Zap. Boink. Too!*  
Jimmy aims his controller at the Space-zoidian. With one eye squinted shut to ensure a direct hit, he fires at his target. If he makes the shot, he gains enough points to break his record of two years. Kerboink! The enemy explodes into graphic fragments as Jimmy lets out a victorious shout so loud that Mom hears.

"Way to go Jimmy! Scoring over 10,000 zogs is something you should run to the office and tell your father about. Go ahead!"

Almost instantly the 9-year-old boy, eyes sparkling, charges boastfully through the door dividing the business and living sides in the household of the average family of the 1990s.

"There won't be dramatic changes in the '90s," Dr. Mary Wylie says about the family. Dr. Wylie is a professor and department head of sociology and anthropology. "But we will see trends developing." One such trend is an increase in people who start businesses in the home.

"Work will conform more to the family rather than family life [will] fit work life," Wylie says. "Businesses in the home eliminate commuting time, dead time."

Debby York of Harrisonburg believes in the advantage of this futuristic trend. When her son broke his arm last year, she didn't want him home alone every day, so she quit her job

and took advantage of this opportunity time to work on her dream. Two months later her fantasy, to own her own business, became reality when she opened her gift-basket business, Baskets of Joy, in her home.

"By being home more," York says, "I can know even

*"By being home more, I can know even the trivial stuff my kids are thinking."*

— Debby York

the trivial stuff my kids are thinking. I hear everything from the bus ride home to what they had for school lunch. When I was working away from home I didn't get this."

JMU associate professor of psychology Dr. Eileen Nelson says the '90s family also will put more emphasis on spending leisure time together. Even simple leisure activities like chatting about what went on in school or playing computer games together are considered valuable experiences.

However, the annual family vacation may change in the '90s. Stuffing the car and chanting "Old MacDonald" while travelling to Disney World for a two-week trip could become a vacation of the past.

"Instead of taking one big vacation a year as a family,"

Nelson says, "people will interact together in mini-vacations that are less expensive."

Recently, Dr. Lynn Blinn, assistant professor of home economics education at the University of Tennessee, researched adolescents' predictions of their futures — and found that children see themselves having a

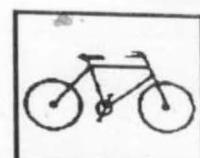
traditional nuclear family in the '90s. And they don't see divorce in their future.

However, the divorce rate right now is about 51 percent, Nelson said. Experts agree that although the rate may decrease slightly, it will remain stable — and this means that the pattern of one out of every two people divorcing continues.

And if you were planning on having a 1990s Walton-size family, think again. John Boy would have only 1.5 brothers and sisters if the birth rate continues its trend. Nelson said the average family has about 2.5 kids.

"The family is not dead," Blinn says. "We'll see more new family forms, such as single parents or roommates with kids."





DECADE  
THURSDAY, APRIL 26, 1990

Exercise • Nutrition

## Exercise is no longer just a fad

By Chris Ward

First it was dieting. Then came jogging, aerobics and oat bran. Concern with health and well-being has always caused many people to alter their lives radically, but in the 1980s, daily exercise and meticulous diets became commonplace. People now overlook the french fries and onion rings and welcome the garden salads.

But will fitness in the '90s be faddish — as it has been in the past — or is it maturing?

"It's not a fad. It's a lifestyle," says Skip Dority, co-owner of the Harrisonburg Nautilus Fitness Center. "It keeps people in better shape and improves their quality of life, physically and mentally. Unless there is a pill that can do it all for you, this is the way."

The field of health and fitness grew enormously during the '70s and '80s, until reaching new heights in the current decade. And JMU students are part of the trend as well — lines in the weightrooms have grown longer, more health-oriented entrees have been added to campus menus, and participation in sports has increased.

So with the arrival of the 1990s, students want to know where the health and fitness industry will take them.

Chains of exercise facilities will be the direction in the '90s, he says. "Now, everything is multi-faceted. We offer free weights, cardiovascular training, aerobics, saunas [and] lockers. All of this enhances business."

Dority, who has been in the health club business since 1974, notes definite changes in what's available at the average facility. "The spa room, the pools and the cool plunge of old are gone," he says. "Today, people get involved in progressive resistance training. There is more of a demand for free weights again."

Progressive resistance is a systematic exercise program where the weight used is gradually increased as the person grows stronger. A person might lift 50 pounds for five exercise sessions and then move up to 55 pounds for the following five workouts.

Dority also says there will be a trend toward "more computerized bikes and rowers."

"They're going to be user-friendly, though," he says. "The bells and whistles excite people. But some basic machines, like the stack plates [used in Nautilus and Universal machines], will always be there."

Area health clubs also have seen a certain change in their customers during the past few years.

"The trend is that people are becoming more aware, especially the men," says Joanne Libby of Nutri-System Weight Loss Center in Harrisonburg. "There is nothing wrong with working out now. We are reaping rewards."

"There have been more women [customers] over the last few years as people have discovered things other than strength and endurance," she says.

Dority says, "We've seen more educated consumers in the last five or six years," he says. "In Harrisonburg, there's a real influx of students, and they're real involved [with working out] at home."

"Today, everywhere you look there are fitness-related articles, new exercise machines. So people are aware of it, and so we must provide these things."

"It's more of a science," Dority says, "not just 'Hey, I'm going into the basement to lift me some weights.'"

Hess sees more of a focus on preventive medicine. "The public has to come to grips with cost control and availability," he says. "They need to understand why what patients receive what organs and why which ones are kept alive or not."

Linda Morrison, also of the Wellness Center, says the '80s and '90s are the dawn of a new age in health and fitness. "People are becoming more

sophisticated and knowledgeable about diet," she says.

Morrison says the switch to low-fat, high-fiber diets shows that people realize healthy diets can help prevent long-term terminal diseases. This sober fact often influences many people to choose healthier foods.

"The impact of diet has been dynamic," Hess says. "We're learning more now. It's a very changing field."

He also says processed, pre-packaged meals designed for people with specific dietetic needs may be in the future.

So what should students do to assure a youthful lifestyle? "Maintain weight control, participate in aerobic fitness and do flexibilities [muscle stretches]," Hess says. "You should maintain this throughout your whole life. If you don't, you run into problems down the road."

"Another thing is to manage alcohol intake," Hess says. "Many students use alcohol. Some have problems with it. There is also increased smoking in women, where women are taking over the statistics men used to occupy. Avoid all tobacco products."

"The days of single facilities are falling by the wayside," Dority says. Much like the movement in the video rental industry, he says the days of the small spa are forever gone.

## Exercise plans help '90s companies raise worker spirits, profits

*Fitness programs are now commonplace*

By Kathryn Wemmers

It's been a frustrating day at the office. Customers are complaining, meetings seem endless and now the boss wants a conference. As you stare at the mountain of papers on your desk, you know you have it.

The American problem. Stress.

And then you remember the

exercise room. You grab your coat and head to the gym. After about an hour of exercise you settle back down at your desk. With a clear head and a relaxed body you can attack the papers on your desk and speak calmly to the complaining customers.

You can even tolerate the conference with your boss.

One of today's greatest concerns is health and fitness, and students are beginning to ques-

tion its place in the working world.

At the same time, corporate exercise programs are becoming increasingly popular.

Companies are using fitness programs as a marketing tool, says Nancy Grembi, marketing and communications coordinator for Valley Wellness Center in Harrisonburg. Employees are concerned about health insurance costs, productivity and

morale.

"Healthy employees do better at work both with performance and attendance," Grembi says.

Rich Jordon, from Emory Hill in Wilmington, Del., agrees. Jordon, a real estate company marketing director, says employees also are concerned about fitness and are attracted to companies that provide programs.

"People are really worried about stress and heart attack these days," he says. "They're willing to put more effort into the job if they know their boss is putting effort into helping them stay healthy."

**What it takes to stay fit**

"There really isn't a set definition of fitness, but you should stay at a level that enables you to have a positive attitude about yourself and keeps you in a low health risk category," says David Parker, training and conditioning instructor for Valley Wellness Center. To benefit from exercise, a minimum of 20 minutes a day, three times a week is required, he says.

Valley Wellness Center's training and conditioning coordinator, Patti Farthing, agrees. "It depends on your goal," she says. "Some people want a more physical benefit and some people want a mental break."

**Exercise packages as perks**

Young executives may be exposed different types of exer-

cise programs — but most commonly, employees will be offered a discount at a local health center. The business signs a one-year contract with the club and each employee must complete a membership application. The business then is billed and is responsible for collecting dues from employees who join. Family members also can get a discount.

In Harrisonburg, many companies have contracts with Valley Wellness Center, owned by Rockingham Medical Hospital. Discounts range from 10 to 100 percent depending on the number of employees who join.

RMH staff members get a 50 percent discount and JMU faculty and staff members get a 17 percent discount.

Some companies have exercise rooms built in their office building. Employees are given a key to the room and encouraged to go during their lunch hours. "More employees are working out every week," says Craig Wemmers, product manager for the chemical company Hercules Incorporated in Wilmington, Del. "People feel better during work. They're alert and have more energy."

Wemmers works out several times a week but doesn't feel that people should refer to the program as a perk. "I consider a perk to be something benefiting only the employee — something like a company car. Fitness programs benefit both the employer and the employee."

"They're saving money and we're living longer."

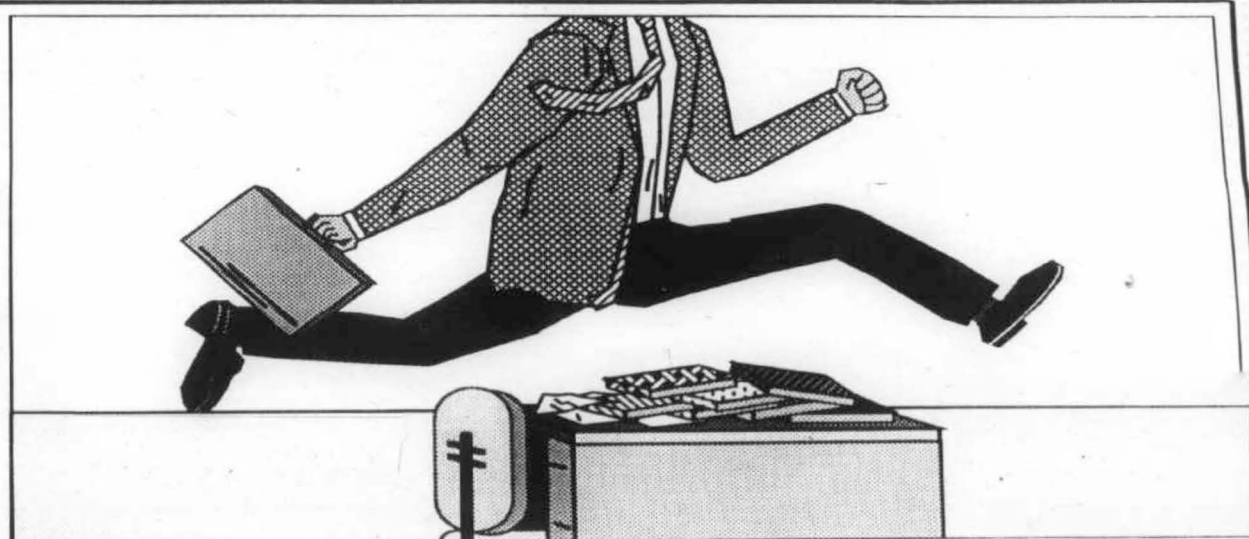
Jordon says his company installed a fitness room about two years ago and attendance at work picked up 50 percent. "If you want tenants in your apartment building you include a microwave; if you want employees to come to work you offer an exercise program."

Some companies offer different packages of exercise programs, while others only offer a weight room. "If you just offer free weights and a bicycle, then the employees go out to their cars and smoke a cigarette and go back to a fat laden diet," Grembi says. "If the employer really wants to improve insurance and health costs then they go with smoking cessation programs, high blood pressure programs and health education programs."

"The only way to improve an employee's health is to look for behavior change."

Jordon agrees. "Variety is the most important aspect of any program," he says. And companies are thinking of really creative ways to get their employees to exercise.

"At one of the DuPont plants they've added a walking path around the building and labeled it in tenths of miles," he says. "Employees are encouraged to walk during lunch hour. Then, when the DuPont newsletter comes out every month, the employees who have walked the farthest get their names in print."



Graphic by Ellen Stern



Workers in the 1990s will trade in their briefcases for running shoes.

Photo by Laurel Haskell

## Ulcers to become a thing of the past

By Doreen Jacobson

With all the stress of school, your future job, and a poor diet resulting from eating on the run, you're sure to have an ulcer by the time you hit 30. Right? Wrong.

Ulcers have nothing to do with stress and diet, says UVA's Dr. Barry Marshall. It is caused by bacteria. Because of a bacteria, ulcers are usually passed by family or others in close and constant contact.

Treatment with a combination of antibiotics and bismuth (found in Peptobismol) gets rid of

the bacteria and therefore the patient loses the tendency to get ulcers.

The new treatment is expected to be widely accepted and used by 1992.

For those who have duodenal ulcers, a common type, 80 percent were cured within two weeks. It took a while for doctors to find the cause in order to know how to treat it.

"Doctors tried to blame the patients because they didn't know," says Marshall. "Ulcers are going to be wiped out because of this new treatment. It will just be in history books like tuberculosis and small pox."



## Changes

## Cleaning up after a storm of democracy

By Joe Kornik

At the close of the 1980's, Eastern Europe may be the fastest-changing area in the world.

Democratic winds are getting stronger and show no signs of letting up or changing direction. The people of Eastern Europe are beginning to feel these winds, and everyone wants to catch a little bit of the breeze.

These winds have already propelled Solidarity to power in Poland, and they can be felt gusting in Czechoslovakia. The storm has blown communism out of Hungary, and has even been strong enough to topple the Berlin Wall, a symbol of the distance between the West and the East that stood for 45 years.

Although not caught directly in this storm, the United States will feel its effects in a number of ways, primarily in economic and military matters and the possible unification of Germany.

Militarily, a unified Germany may present a problem to the United States. Germany could become a new superpower, boasting the largest military in the world, with 1.8 million troops.

And Charles Malone, a professor of government and foreign affairs at the University of Virginia, thinks the United States should be careful when dealing with a unified Germany.

"We certainly shouldn't forget about history, and we defi-

nately should try to establish as many ties as possible with them," Malone said.

### A military threat

With the largest military in the world, and its newly discovered freedom, a united Germany might even present a military threat to the United States.

"I think it is a legitimate worry and something we should all think about," said Malone. "However, I don't think we should fear it yet. We're still unsure about the future of Germany."

The United States also must stay friendly with the Soviet Union as they adjust to a united Germany.

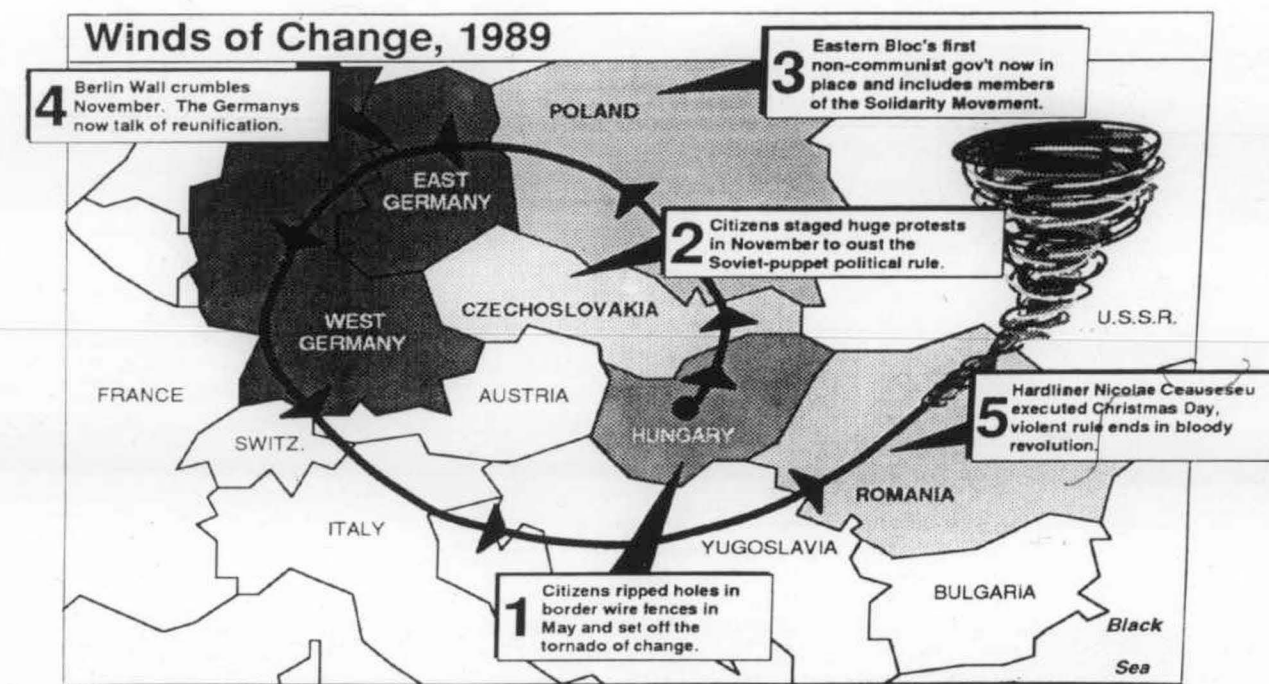
"It is definitely in our best interest to have and to keep our good ties with the Soviet Union," Malone said. "We definitely would not want to see a drawing together of Germany and the Soviet Union. That would surely be disastrous for the United States."

### An economic threat

A unified Germany, with 80 million people, also would be the dominant economic power in Europe and maybe even the world.

East and West Germany's combined exports would be the highest in the world, some \$33 billion ahead of the United States. Japan and the Soviet Union trail behind the United States.

And a unified Germany's trade surplus for 1989 would be in excess of \$80 billion, and



would trail only Japan in the balance of world trade, according to an article in *Newsweek*.

However, this might not be bad news for the United States. If the Germans help create growth in Europe, it would provide free and open competition and would help everyone.

"There is no need to fear Germany economically," Malone said. "There is plenty of room for compromise between the two nations."

As Germany dominates its European neighbors economically, its free trade views may prevail in the European community. This will benefit the United States, which wants to sell

goods in Europe.

"A unified Germany will play a huge economic role," Malone said. "However, it won't happen right away. In the beginning, most of the attention will be paid to developing East Germany's economy."

### Unified currency

Europe also is planning to have a unified currency, and to be ready to compete with the United States economically by the year 1992.

And while most experts agree the prospect of unified currency is very unlikely right now, they say it is probable in the next eight to 10 years.

"It is amazing just how much this may affect us here in the United States," said Dr. Stephen Bowers, an assistant professor of political science at JMU.

"It drastically changes the job market, especially in the military. Everything we have done in the past has been based on a hostile Eastern Europe," he said. "There are going to be cut-backs, especially in the industries which are designed to produce military hardware — many of them may go out of business."

He also said the United States will be enjoying its first real peace since before World

War II. This means dramatic decreases in the military in both numbers of troops and machinery.

The United States is planning on cutting defense-related positions in the military by nearly half — from its present 300,000 to 160,000 in just a few years, the *Newsweek* article said.

"The economic impact of this will be felt the most," Bowers said. "It is amazing how many people have jobs in defense-related industries. The international threat will be gone, and therefore in the future there will no longer be a need for people to fill those defense positions in the military."

### May pass U.S.

By the end of the 1990s, it's quite possible that Europe may even pass the United States economically. But this threat actually may end up having a beneficial effect on the United States.

"Right now, we may feel some setbacks; however, in the long run we will discover that this was best thing for us," Bowers said. "We all wanted this to happen. Maybe it happened just a little too fast."

It also will affect how we deal with government operations.

"I am sure that International Broadcasting will be cut back, and money spent on international communication will increase as the world changes," Bowers said.

### Communism's old guard removed in E. Europe

## Reasons given for collapse

By Dr. Stephen Bowers

As of March, 1990, two of East Europe's most prominent former leaders, Erich Honecker and Todor Zhivkov, find themselves under arrest, confined and awaiting trial for abuse of the powers they once held.

In Poland, Czechoslovakia, and Hungary, communist power structures found themselves being forced out of office and into the position of relatively weak oppositions.

And on Christmas Day, 1989, East Europe's most rigid, brutal leader, Nicolae Ceausescu, and his wife were brought to justice before an Army firing squad. With this, the repudiation of the communist old guard from the Baltic to the Balkans had been completed.

### COMMENTARY

The most obvious question raised by these tumultuous events of 1989 is what happened to break the ruling parties' apparently unshakable authority. Several factors appear to have played a part. One important reason was the inability of the regimes to achieve legitimacy. These governments, with few exceptions, were established after World War Two largely as expressions of Soviet policy, not of popular will. In considering the factors that had produced the crisis in Eastern Europe, Egon Krenz, shortly after being named as Erich Honecker's replacement as general secretary of the GDR's Socialist Unity Party (SED), acknowledged that the party "underestimated . . . the citizens' political maturity" and lost the ability to understand the "problems of the further internal development of the GDR."

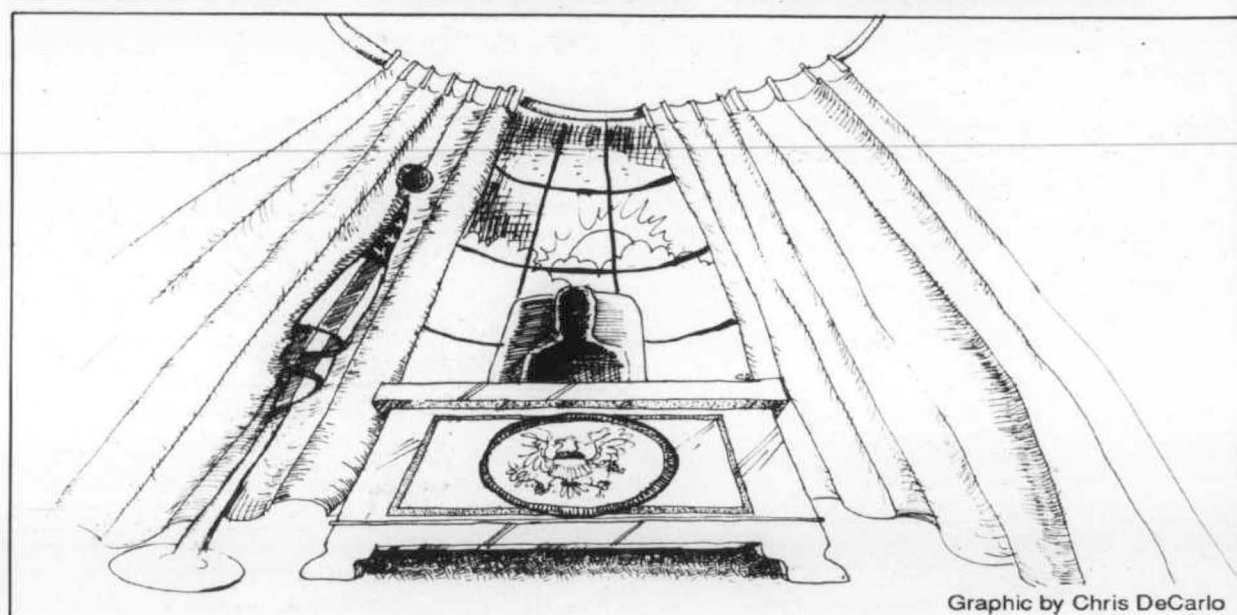
The achievement of legitimacy by these governments was hampered by their repressive operational methods. As the communist systems of the region were overthrown, additional documentation emerged about how these police states operated. The discovery of mysterious graves near the Bautzen prison added to open speculation about how, as Krenz himself had noted, "conflicts were suppressed" in the GDR. In Leipzig, television cameras were taken on a tour of the security police headquarters while young Czechs opened police files in order to make public the extensive dossiers that had been compiled over decades. Romanian journalists and ordinary citizens viewed numerous torture chambers that had been used by the coun-

try's notorious Securitate and, in announcing the abolition of that organization, Romania's provisional government offered additional information about how the security police had enforced laws requiring registration of all typewriters and reporting of all contacts with foreigners.

Another obvious reason for the rejection of communist rule was the accumulation of economic failures. Throughout East Europe consumers have long faced shortages as a matter of routine. For years shoppers have been unable to find consistent supplies of vegetables, meat, clothing, medicines, and other necessities even when official rationing guarantees them at least a limited supply of those items. By the 1980s, the specter of unemployment, previously seen as an exclusive feature of capitalism, had visited much of Eastern Europe and, in the view of many party economic reformers, was a necessary evil should the planned economies restructure themselves.

There is a final reason for the collapse of East European communism in 1989: the changing attitude of the Soviet leadership. In short, the USSR had recognized that the burdens of their empire — a cumbersome entity that stretched not only through Eastern Europe but also encompassed such remote outposts as Cuba, Nicaragua, Vietnam, and parts of Africa — exceeded their financial resources. The Kremlin also realized that the benefits of their growing empire did not match the costs of maintaining such a broad Soviet presence. Accordingly, Kremlin policy changed and Soviet clients were increasingly encouraged to cultivate contacts with the Western community and with Western bankers in particular. One of the first steps in changing Soviet foreign policy was the reformulation of ideological precepts such as "proletarian internationalism" and others that had been obstacles to the effort to withdraw from regional conflicts in Afghanistan and Nicaragua, expensive undertakings that were demonstrating the clash between political advantage and ideological dogma. The next step was a demand that Soviet allies learn the importance of economizing and introduce reforms into their unproductive economic systems. The message to East Europe was painfully clear: the USSR's staggering economic problems were going to limit support for its allies so the governments of that region must redirect the focus of their policies.

## From all walks of life come future leaders



By Melva Shelor

Who would have guessed 10 years ago a black man would become the governor of Virginia, a movie star would be president for eight years, and a woman would be nominated for the vice presidency?

Predicting leaders is dependent on many factors — election outcomes, trends of thought and the American people — and the leaders of the past were as unpredictable as political leaders of the future.

### Democratic leaders

According to Dr. Anthony Eksterowicz, an associate professor of political science at JMU, just a few democrats could challenge President George Bush for the presidency in 1992.

Among the possible contenders are Sen. Al Gore from Tennessee, democratic Gov. Mario Cuomo of New York, and democratic Sen. Sam Nunn of Georgia.

Virginia's own democratic Sen. Charles Robb has long been considered a possible presidential contender, but Eksterowicz said Robb should wait until the 1996 election and gain more political experience in the meantime.

Dr. Paul Cline, professor of political science and law, agrees Robb "is a possibility."

The leaders of the Democratic parties from each state and democratic Sen. Bill Bradley of New Jersey may also be possible leaders in the future, he said.

### Republican leaders

Eksterowicz said as long as nothing unforeseen happens to Bush, he will probably be the Republican candidate for president in 1992. If something were to happen to Bush, Sen. Bob Dole of Kansas could be a favorite for the Republican nomination.

As for Vice President Dan Quayle, he doesn't have the support of the Republican party and probably would not be nominated for the top job, he said.

Quayle's chances are "slim or none," Cline said. "He is the butt of all jokes." If something were to happen to Bush, Quayle would have to fill the position, but unlike some former vice presidents who came in after the death of a president, such as Harry Truman and Lyndon Johnson, it is unlikely that Quayle would become popular.

### Black leaders

The concept of black political leaders changed with the victories of New York City Mayor David Dinkins and Virginia Gov. L. Douglas Wilder, Eksterowicz said. These new black leaders are more moderate and in the mainstream of society.

He also said Jesse Jackson "paved the way" for black political leaders with his 1984 and 1988 presidential campaigns — and Dinkins and Wilder may follow in his footsteps.

But Wilder may have to seek a seat in either the U.S. House of Representatives or the U.S. Senate to gain legitimacy in national politics, Eksterowicz said.





DECADE  
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## Drugs: no quick fix

By Christy Mumford

Since 1985, the number of drug-related homicides — in Washington, D.C. has jumped 151 percent.

A homicide occurs every 16 hours in D.C., and 80 percent of those killings are related to the drug trade.

Frightening statistics like these increasingly have been splashed across evening newscasts and popular magazines as drug-related violence becomes more visible to the American public. The nation's capital has become the new focus of President Bush's "war on drugs," surpassing notoriously drug-infested cities like New York in the number of drug-related arrests and acts of violence.

But drug use in general has decreased nationwide since it peaked in 1979, according to a study conducted by the Institute for Survey Research at the University of Michigan.

"The majority of middle class Americans are getting the message that drug abuse is physically dangerous and socially unacceptable," said Greg Stolcis, program support consultant with the office of Substance Abuse Services of Virginia.

However, hard-core drug use is still on the rise in areas where residents are victims of poverty, and this trend is expected to continue into the 1990's.

Joseph Michalski, a JMU instructor of sociology, said, "As long as there are certain economic differences in our society, we will continue to have people turn outside the norm to survive and to acquire luxu-

ries."

Michalski said the United States consumes over \$100 billion in illegal drugs each year, more than any other nation in the world.

"There are about 300,000 people in drug treatment programs annually in the U.S., but these programs are not equitably distributed across different areas," he added. "In the '80s, community-based programs have been geared toward the middle class — suburban areas that can financially support such programs."

Michalski also is critical of the war on drugs.

"The drug community has never been at a loss for innovative drugs, such as 'crack' or 'ice,' or ways to consume them. I will expect this to continue," he said.

Michalski said media attention on drug-related violence has increased lately because that violence now is occurring closer to suburban areas, where middle class America can observe it.

The drug problem itself is nothing new, he said.

"Unless we see some more fundamental changes in the U.S. social structure, the drug problem will not be able to be controlled by anyone," Michalski said. "The '90s will be tough to predict. We've had changing patterns of drug abuse, and there is evidence that the media and education have had some effects, but will these continue?"

"I fully expect we will continue to see a discrepancy — a hard-core element of abusers who can't rise out of the cycle," he said.

However, the law enforcement community has a view on the reasons behind drug that is very different from Michalski's. Billy Allsbrook, assistant director of the Bureau of Criminal Investigations with the Virginia State Police, debunked Michalski's theory as a "sociological myth."

"The social environment you were raised in doesn't make you resort to crime," Allsbrook said. "Out of a large family in a poor environment, some do well for themselves, and one goes bad. What makes that person go bad? No one knows."

"Whether or not you're a drug user basically depends on what you're made of, your personal motivation," he said.

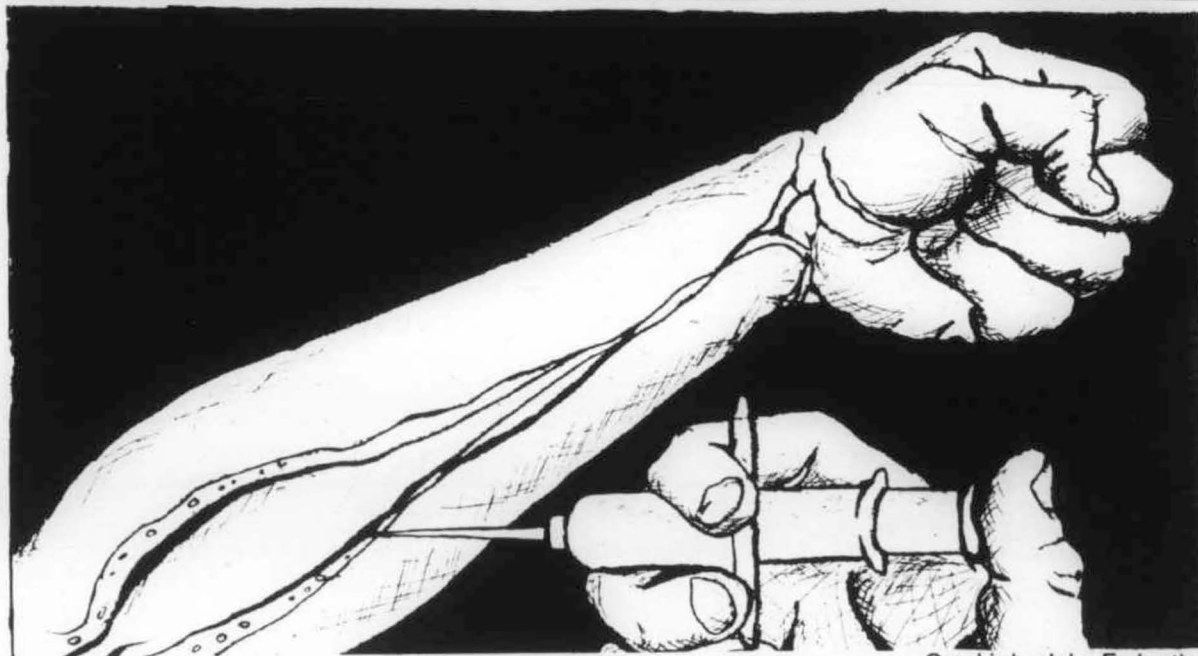
Allsbrook is responsible for the statewide narcotic program.

"The drug problem cuts across all economic and social barriers, either directly or indirectly," he said. "We're hearing about the inner city more because it's affected by crack, and crack is so addictive and unpredictable, its users are prone to violence."

But, he said, "The law cannot eradicate the problem because law enforcement doesn't have that type of authority," he said. "There are certain constraints placed on us that were set down in the Bill of Rights [and the] Constitution, like laws on search and seizure, and probable cause."

Allsbrook also said Bush's war on drugs is making an impact.

"Evidently, it is effective," he said. "The system is clogged with people who have been arrested and charged with distribution."



Graphic by John Farbrother

But only 250 out of 3,950 police officers in D.C. worked in the narcotics department in 1989, according to the March 13, 1989 issue of *Newsweek*.

"Through programs like DARE we can eventually cut the demand for drugs," Allsbrook said.

DARE is a Virginia program geared toward drug education.

"If we get kids at a young age, and teach them to say 'No,' and how to deal with the realities of life, we can eventually get rid of the demand for drugs."

"I went to a DARE 'graduation,' and those kids got up and promised to be drug-free. The majority will, some won't, but to see those commitments sent chills up my spine. They need reinforcement, but if a large percentage of them do [remain drug-free], the demand for drugs will go down."

But the "war on drugs," highly touted by the Bush ad-

ministration, is an inappropriate term, according to Stolcis.

"I don't like people looking at the problem as a war," he said. "Drug and alcohol abuse is a disease. You never hear anyone talking about the war on diabetes."

Stolcis also disagrees with Allsbrook's view that drug use occurs from personal choice.

"Many people think it's a lifestyle choice. It's not. The American Medical Association said the same thing I do. You approach treating a disease differently than you do fighting a war."

"Drug use usually stems from a painful existence," he said. "Imagine being 17, black, unemployed, living in a ghetto — and crack is quickly addictive, accessible, and affordable. That life is so painful, sometimes the only relief is through these substances."

To combat this cycle of abuse, Stolcis feels it will take

a combined effort between the education system, the government and the medical community.

"There needs to be more of a focus on treatment of drug abuse as a disease than some sort of war," he said.

"As far as the relationship between money and drugs, a lot of money can be made very quickly in the sale and distribution," he said. "You can make money, and feel differently about yourself."

Stolcis said his program is beginning to see a larger adolescent population seeking help, and a new profile of a typical user is developing: "It's someone who is not a single substance abuser, he's 25 years old, abuses alcohol, smokes marijuana, and does coke when he can get his hands on it," he said.

## Our children will get progressive education

By Christy Overacre

Did you ever notice how your dad would get a twinkle in his eye as he spun tales about walking to school because there weren't any buses?

Things certainly have changed since the good ol' days when our parents were the ones giving teachers migraines. Our generation had the privilege of riding buses to school, as well as many other advantages earlier generations had to do without.

Dr. Jean Ramage, dean of the College of Education and Psychology at JMU, says education in the next decade will cease to be a "step-by-step process."

Instead of accumulating large bundles of facts, she says students will gain a progressive education. Schools will have to begin to concentrate on finding out "what students know and what skills they have, and then matching the curriculum to that."

Joyce Hardy, a supervisor of instructional technology at the Virginia Department of Education, stresses computers and other technology will be used as tools to get information; they will remain a means, not an end, for learning.

Ramage points out that "twenty years ago there was a movement in the education world which claimed that this type of computer assisted instruction would take over."

"It didn't," she says. "Instructional technology will always take a back seat to teachers, and learning will remain dependent upon the student. 'Children can learn to the extent that we can find ways to teach them.'"

Educators have found ways to teach students as early as the elementary grades in nearly every subject imaginable with the aid of new technology. Hardy says science classes are discovering a system called ProbeWare which can even measure heat, light and temperature by sensory probes that are linked to a computer.

The results of these experiments are instantaneous, and the computer then can create graphs to help the students visualize scientific concepts.

Such projects will become common in education in the near future, Ramage says. The greatest value of using a "multi-media" approach to a subject is that "one question can take you in new directions."

She says the CD ROM information-sharing system is a major tool used in such projects. She says this will make the old idea of the "egg-carton classroom" — a theory which categorizes classes extremely and allows for little interdisciplinary work — a thing of the past.

In a much broader sense, students also will be able to use another information-sharing program called "distance learning."

Ramage says distance learning makes use of

satellites connected to computers and televisions in a closed-circuit system within the schools. Distance learning will "probably not be used in the elementary or junior high schools," but primarily in high schools. The concept is similar to what we've come to call pay TV, Hardy says.

By paying a fee in advance, schools can present students with televised educational programs sent by a satellite signal — and a student in Arizona could learn the same method of multiplication as a student in Maryland.

Distance learning would be an excellent way to educate students who progress at a faster or slower rate than their classmates, Hardy says. It also would allow them to study at their own rate in subjects "where teachers aren't available" because there usually isn't a large enough demand for teachers in these exceptional areas.

Teachers also will have to learn how to properly use computers and other technology to execute a pilot program called the Governor's Technology Initiative, says Jim Triplett, the general supervisor of technology for math and science, grades K-12, at Harrisonburg public schools.

The pilot is considered a model program nationally and is being tested in some schools, including Harrisonburg Middle School, where Triplett handles the project.

He calls the project "a feather in the state's hat."

Triplett says schools taking part in the program receive state grants, made in \$1,000 installments over two to four years, allowing them to purchase computers and printers. "We have 23 Apple II GS computers and four ImageWriter printers," he says.

The computers and printers bought with the state grant are the first step to an overall objective — "to prepare students to take the Addressing Literacy Passport, which they must pass by the end of the sixth grade."

To prepare for the final examination — which will be taken on a computer — students will work in a lab where the 23 computers will be located.

The first testing of the Addressing Literacy Passport is scheduled for this coming spring. Students who do not pass will be allowed to re-take the test.

Programs like distance learning require teachers to know a good deal more about technology than they've had to in years gone by. "All teachers presently are required to be computer literate," Ramage says.

Evidently, Ramage's belief "computers will never replace teachers" was right on the mark. Although teaching requirements have undergone some major changes due to technological advances, there will always be a place for teachers in schools.

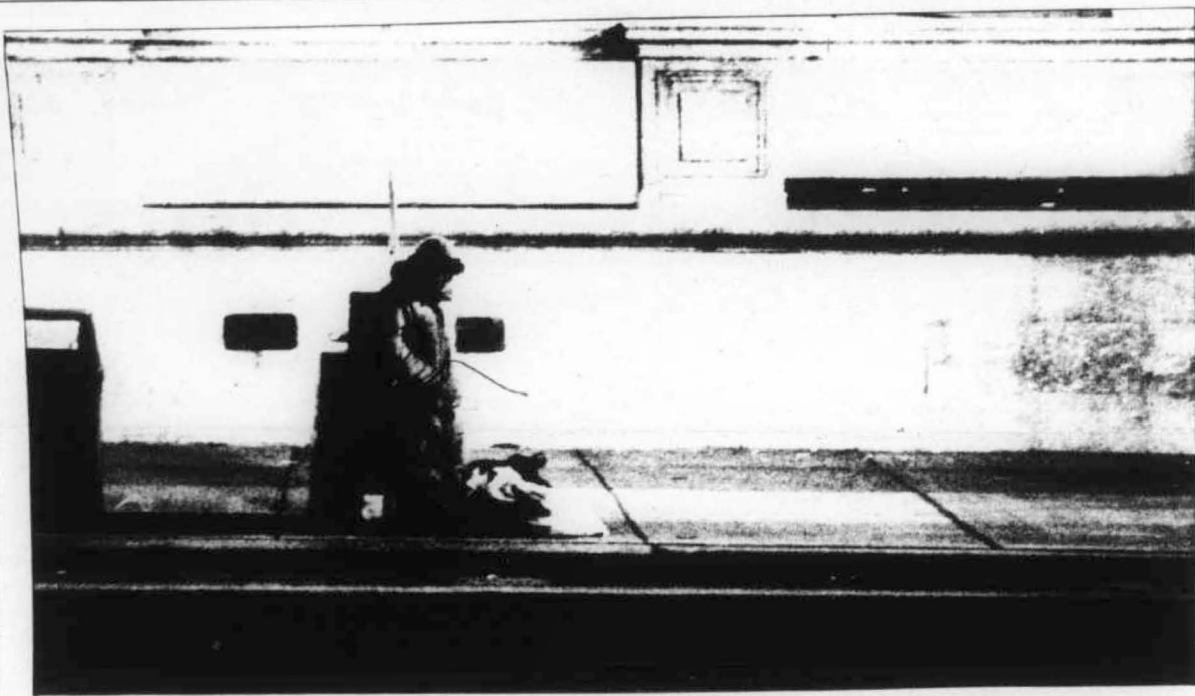


Photo by Chris Tyree

## Facing the homeless problem head-on

from HOMELESS, page 1

money and lets them make the decision on how to use it.

"Most of it goes towards rehabilitation for the homeless and operating costs of the shelters," she said. "HUD and the Department of Health and Human Services are joining together in an effort to help the homeless."

Homes for the Homeless, a non-profit state-supported program, provides temporary shelter for the homeless until they can be placed in permanent housing.

"We try to rebuild and train them to live independently," said Cid Rivera, deputy administrator of the program. "We provide workshops along with child care, teaching them everything about permanent housing."

"Each person has different needs to be met," she said, and "they need to be dealt with individually."

She added that many homeless people come from families who have been on welfare for generations.

Doman agrees that some homeless people have many problems. "We need to focus on those people who have multiple problems and help work them out, not just focus on poverty."

Just like us

Charles Green, vice president of Partnership

for the Homeless, said in the June 1989 issue of *Ebony* magazine most people have trouble accepting the idea that inside, homeless people are just like people who live comfortably.

"When people see them on the street, they don't look at them as human beings," he said. "They look at them with an attitude of fear, pity or revulsion, but in order to be able to help the homeless, you have to change that outlook."

"You have to get to know them as people."

Dolan said the stereotype most privileged people have of the homeless needs to be "wiped away."

"If everyone doesn't work together the problem won't be solved," she said.

Beth Crawford, a JMU freshman who also went to New York with Intervarsity Christian Fellowship, said she learned a lot from her trip.

"One misconception I had was at first I thought they might be resentful of us helping them because we weren't coming from the streets and we haven't gone through nearly the same struggle that they have," she said. "But I found they were some of the most warm-hearted and accepting people that I've ever met."

Crawford thinks realizing that homeless people also are "real people" is the first step to solving the growing problem.

"Instead of just stepping over them and ignoring them, look at them and smile."





# '90s economic future unsure, analysts say

By John R. Craig

The decade is just four months old — and already people are wondering what the economy will look like by the turn of the century.

And then there's the burning question on the minds of students — What will happen to the economy as college students become "real people?"

"When you take economists as a group, they don't tend to be right all the time," Dennis Jarrett says with a laugh.

Jarrett, a senior vice president with Kidder-Peabody, a New York-based investment firm, estimates the stock market has been a better predictor of the economy than economists themselves.

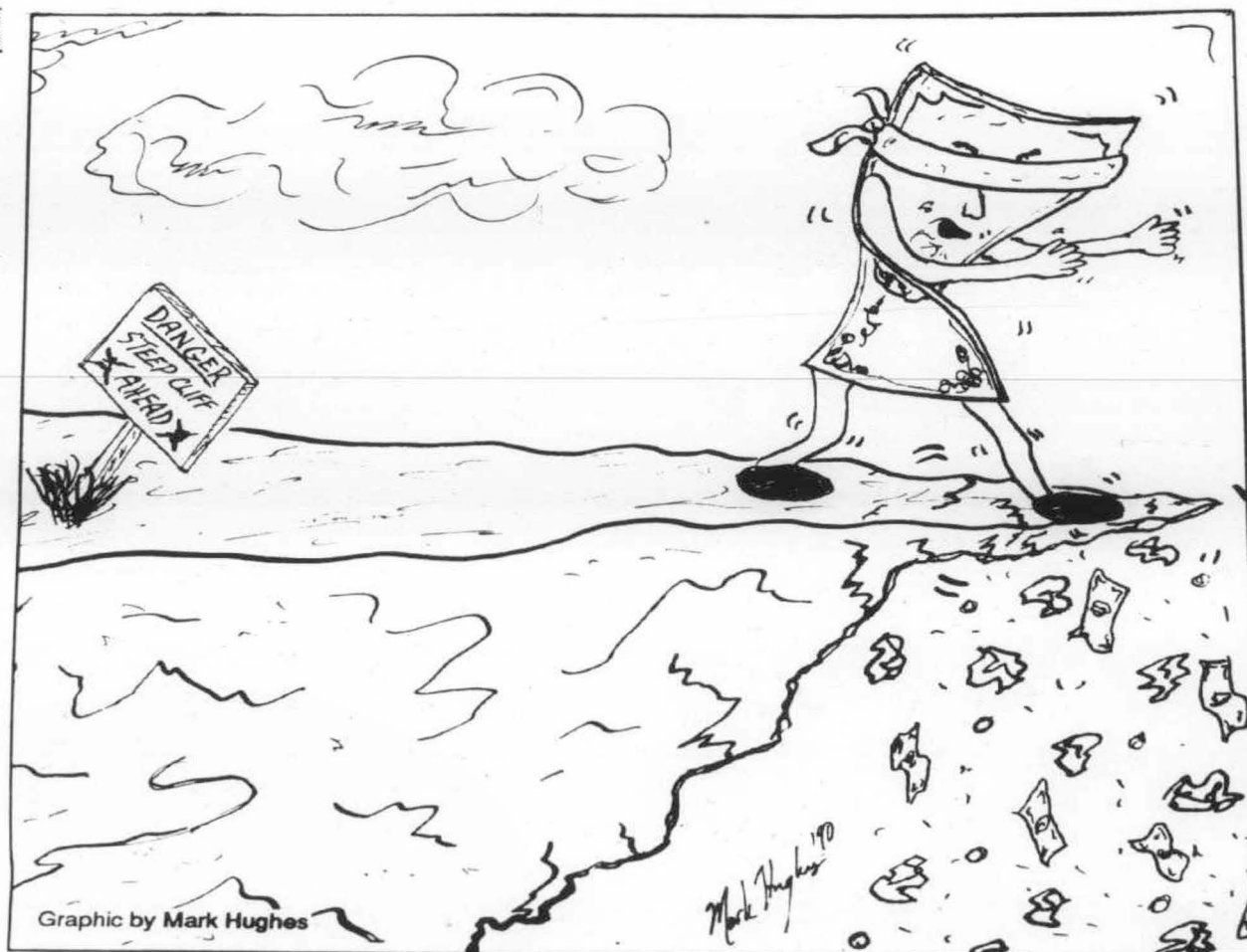
### A '90s recession

Many analysts speculate 1990 is a transition year and that sometime this decade there will be a recession. But according to Jarrett, the official forecast says there will be no recession in 1990.

"Unofficially, I've always got to be looking for the contrarian side because that's what impacts the portfolio managers the most," Jarrett says. "It's the unexpected that comes into the marketplace that causes prices to either move up or down dramatically."

Foreign countries' economies will directly affect the United States more in the '90s than at any other time, according to Jarrett. Americans will have to watch foreign trends and plan accordingly.

Shearson Lehman Hutton Executive Vice President Michael Sherman says there will be a recession in the '90s "sometime, but I don't know



when — not now." Sherman doesn't believe the economy will slow in 1990 and says people in his business take it just one year at a time.

As for a depression, Wall Street managers no longer have a firm grip on the economic trends and as a result there is less chance for accurate predictions. "I don't think anybody has a clue," Sherman says. "Anything could happen, it's

just very unlikely."

Barkley Rosser, JMU professor of economics, agrees with Sherman but looks down the road.

"During the '90s we will almost certainly have a recession at some point," Rosser says. "I think that if we avoid a protectionist trade war with Japan we'll probably not have a deep depression. But if we have a severe protectionist trade war we

could have a global depression."

### Japan-bashing

Rosser, who follows the international economy, says Congress has been engaging in "Japan-bashing" which may be a result of improved relations with the Soviet Union. He also says watching economic indicators is as easy as reading a newspaper.

"There are polls now that suggest many people think that Japan is our enemy," Rosser says. "Frankly, I find this mentality that we've got to have an enemy as simply sick but... this is a dangerous phenomenon and could feed into this perception."

### Growth in 1990

Analysts say the U.S. economy will grow by about 2.5 percent in 1990. And Sherman says the current government "inherited a lot of messes" from the Reagan administration, but President Bush has been lucky with the historical changes in Eastern Europe.

The stock market has had eight consecutive years of positive return and Jarrett says the United States will have some economic volatility — but by Dec. 31 it "could be back where it started."

"We need a year of deflated expectations," Jarrett says. "So far, everything that has unfolded has suggested exactly that is the case."

Many analysts say the market has been a better predictor of the economy than economists themselves.

"Anytime, you get some computer-driven situations you can accentuate," Jarrett says. "But I believe most people who have lived through a 500-point decline now would not be surprised... against it happening again. They don't totally dismiss it."

"The trend toward a more capitalistic society globally should generally be positive for the long run for the decade of the '90s," Jarrett says. "That doesn't mean we're going to go from point A to point B without a lot of bobs and weaves, because it's not going to be all positive."

### The international economy

With international capitalistic policies taking shape, the United States will be affected indirectly with prices of foreign goods either rising or declining. This effect may take some time, however.

"Crystal balls aren't too clear 12 months out," Jarrett says. "The best insight is within a three- to six-month span."

He also points out that in the '90s, individual countries are not going to be the powers — multinational corporations will take over. Companies like Germany's Deutchbank and Coca-Cola will dictate where to set up shop and go to work.

Multinationals look at a country's costs from the global perspective, not just a national one. For the United States, nationalistic policies will be important only to the extent they will generate or repel business.

"Who has a better control of what's going on, or a better sense of what's going on in the world, than most of these multinationals?" Jarrett asks.

If international relations continue to improve, countries also will work to better use their scientific and engineering personnel. For instance, in the United States, close to 50 percent of scientists and engineers work on defense projects; in Japan, 90 percent of that personnel are in non-defense projects.

"You have engineers in Japan sitting around figuring out how to make a better car, a better VCR, a better television set, a better HDTV and so on," Rosser says. "We have our people sitting around figuring out how to make better missiles, bombs and nuclear submarines. The cars and the VCRs are what lead your economic growth, not nuclear submarines."

## Rapid, organized financial planning now could help establish economic futures

By Paul Ziebarth

So, you want to be rich? Well, this is the 1990s, and experts say you better have a plan.

"93 percent of persons 65 years of age and over who have failed financially said it was due to the lack of a plan," said Andrew Huggins, district manager and personal financial planner for IDS/American Express Financial Services.

IDS is the oldest and largest financial institution of its kind in the United States.

It may seem a bit early to be thinking about your retirement right after getting your degree, but financial advisers say it's never too early to start saving for tomorrow. Other short-range goals, such as down payments on homes, also require a strategy for achieving them.

"If you aim at nothing, you're more than likely going to hit it," Huggins said. "One study said that people spend more time planning a two-week vacation than they do their entire financial future. Having no goals is the number one mistake people make with their money."

"The second biggest is having no plan to achieve their goals."

Knowing how to manage your money in the '90s could be confusing because of what Huggins calls the "information blitz."

"Today, individuals and couples are literally bombarded with financial information from all sources," he said. "This causes individuals to be confused about what to do with their money. And

a confused mind will always say 'no,' and they will end up not doing anything to improve their financial situation."

With the many investment and saving options available, advisers say financial decisions should be discussed with professionals, who will help investors develop an investment plan to meet specific needs of the investor.

"First, you need to define your goals: long-term, short-term, low-risk, or high-risk," said Charles Ruscher, a JMU finance instructor. "That will determine what investments are for you."

Going into stocks or any investment without any guidance may be unwise, Huggins said.

"According to a study by the Harvard Business School, 97 percent of people who play the stocks on their own lose money," he said. "They buy when the market is going well, then panic and sell when it starts to fall. To be successful, you have to do it the other way around."

"I would recommend talking to a planner like myself rather than a stock broker or insurance agent," Huggins said. "Those people are likely to sell you the 'stock of the week,' or sell you coverage, without taking your goals into account."

"Financial planners will help you develop something with your needs and wants in mind," he said. "Everyone's situation is completely different and needs to be analyzed individually."

Getting into a routine of putting at least some money away each week, or month, is a good idea toward building for the future.

## Loan payments can be made easy

By Carol Willey

More and more college graduates have a financial burden hanging over them — the looming debt of student loans.

However, payment of these loans can be much easier if students simply budget for the payments, according to Linda Hamrick, manager of JMU.

Hamrick helps distribute the Perkins Student Loan, which is awarded to those students who qualify and have a need basis. The loan is distributed through the JMU financial aid office.

And JMU usually gives as many loans as are available, Hamrick said. A federal grant is given to JMU, and the mon-

ey is then distributed to students. When collection begins on the loans, other students benefit because it means more money is available.

Hamrick works with students who are unable to begin payment on their loans after graduating.

"Default rate on the Perkins Loan is very low," Hamrick said. "We set up exit interviews with upcoming graduates for their addresses and to again have them sign the payment plan."

"It helps to prevent default" on the Perkins Loan, she said, because it reminds students of the upcoming payments they need to plan to pay.

The Perkins loan's default rate also is low because the

minimum payment per month is \$30, which most loan receivers are able to pay without too many hardships.

Hamrick also said the university is willing to work with students who cannot pay student loans.

However, student loans like the Perkins can be put off.

If a student returns to school, teaches in government-approved positions, or can demonstrate financial hardship, payment of the loan can be postponed.

About 400 students have received the Perkins Loan this semester. Once the student has received the loan for the fall semester, it is usually continued to the spring semester too, Hamrick said.

## Job tide is turning

from JOB TRENDS, page 1

this all I can do?" and they realize they're not getting the satisfaction they expected from their careers," Morsch said.

Although wrong career choices and low job satisfaction are nothing new, people are developing a new attitude toward their jobs. Emory Cooper, owner of Human Resources Associates, another Harrisonburg employment agency, said workers in the '90s are more likely to change careers to satisfy personal, not financial, needs.

"People are more in tune to what a job means to them," Cooper said.

Charlotte McNulty, owner of Career Development Consultants Ltd. in Harrisonburg, agrees. Older generations, molded by the Depression, were not as likely to risk career changes, McNulty said.

But since the '60s, people have been molded by a "go with what you like — do what you want to do" ethic, she said.

"We're not really willing to be dissatisfied anymore," she said. "Many of us will re-evaluate what we're doing and make a change."

To be competitive in the job market, students have to prepare for future job markets while avoiding trendy careers, Nafziger said.

"Students should choose career fields that match their interests and their talents, because that's what they'll be good at," she said. "You don't look at job predictions to decide on your major. You find out what interests you and what you enjoy. Then, you can look at the predictions."

Predictions are important because they show what skills job seekers will need in the '90s, she said.

According to the Bureau of Labor Statistics, about 16.6 million of the estimated 18 mil-

lion new jobs created between 1988 and 2000 will be in service industries, which include everything from nursing to computer installation.

And knowing how to work with people in these service jobs is more technical than people realize, Lincoln said. "These skills aren't innate in everybody; they have to be taught. Just because you have a great personality doesn't mean you're good with people."

Job seekers who can show they've developed interpersonal skills through courses or training and in extracurricular activities also will have an advantage over people who simply

specific jobs replace old ones. "They don't even look at you" if you don't know these things, he said.

Other skills employers will be looking for in the '90s are things they've always been looking for, such as good writing and research skills, the ability to think critically and independently, and flexibility to change.

Nafziger also said students need to take a variety of classes to develop a broad range of skills. Liberal arts majors need to take business courses, she said, and business majors need humanities courses.

*"You don't look at job predictions to decide on your major. You find out what interests you and what you enjoy. Then, you can look at the predictions."*

— Helen Nafziger

believe they have interpersonal skills, he said.

Computers also are playing a role in almost every workplace as businesses try to produce quality goods or provide quality services as efficiently as possible.

Not everyone needs a computer science degree to put a computer to good use, but everyone does need a good grasp on how these machines work.

The '90s will be "an information era," Nafziger said. "Knowing how to get access to information is imperative."

Bent added that people in most job fields will need to keep up with the rapid changes in computer products, as new software packages tailored to

Students "shouldn't just take the classes they know they'll get A's in," she said.

People in the '90s "are looking for and trying to develop a kinder, gentler workplace," Cooper said, as they try to improve their working environments and make jobs more enjoyable.

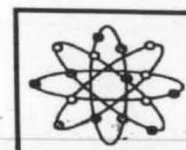
"Their goal is not to create a country-club environment where nothing is being accomplished."

And although no one can anticipate all the changes the work force will face over the next ten years, there is one trend that seems definite: the better people can communicate, the better their chances will be in the '90s job market.



DECADE  
THURSDAY, APRIL 26, 1990

Pollution • Endangered Species



## Species extinction rate is increasing rapidly

Work needs to be done now to save them

By Steve Wilson

Millions of years ago, one species became extinct every 1,000 years.

Now, that number is one every day. And with the deforestation rate of tropical rain forests increasing, the figure might grow to one species every hour.

"We are losing species faster than we can name and catalog them," says Dr. Michael Renfroe, an assistant professor of biology at JMU. "If we do not change current trends, we may lose as many as half the world's species during the next 50 years."

United States Fish and Wildlife Service biologist George Drewry believes any species has as much right to exist as humans do. And he says we have a "moral obligation" not to destroy them. "Since we have the power to destroy and the knowledge to understand what we are doing, we have the responsibility to stop," says Chris Clampitt, an ecologist for the U.S. Department of Conservation and Recreation.

And if the extinction of species continues, future generations will be the ones to suffer. They might not have the opportunity to see elephants and rhinoceroses in the wild — only in zoos, says Joe Quiroz, director of the Nature Conservancy in Phoenix, Ariz.

Renfroe agrees. "We must stop what we are doing. We owe it to future generations to leave them a planet that is at least as rich in beauty and natural diversity as what we have now," he said.

### The rain forests

South American rain forests house billions of these plant and animal species, but they're among the most threatened of the natural habitats. Already, half the world's rain forests have been destroyed, and others are decreasing at a rate of 27 to 50 million acres a year.

"It is not possible to recreate or maintain the complex interactions of a natural ecosystem," Renfroe says. "Therefore, it is imperative that we maintain habitats if we are to maintain a diversity of species."

### Protecting endangered species

The destruction of species is not limited to the rain forests. Plant and animal species everywhere constantly are endangered by humans through destruction of their habitat.

By polluting or destroying forests, humans destroy the habitats of other species. "We must maintain the natural habitats in which these species flourish," Renfroe says.

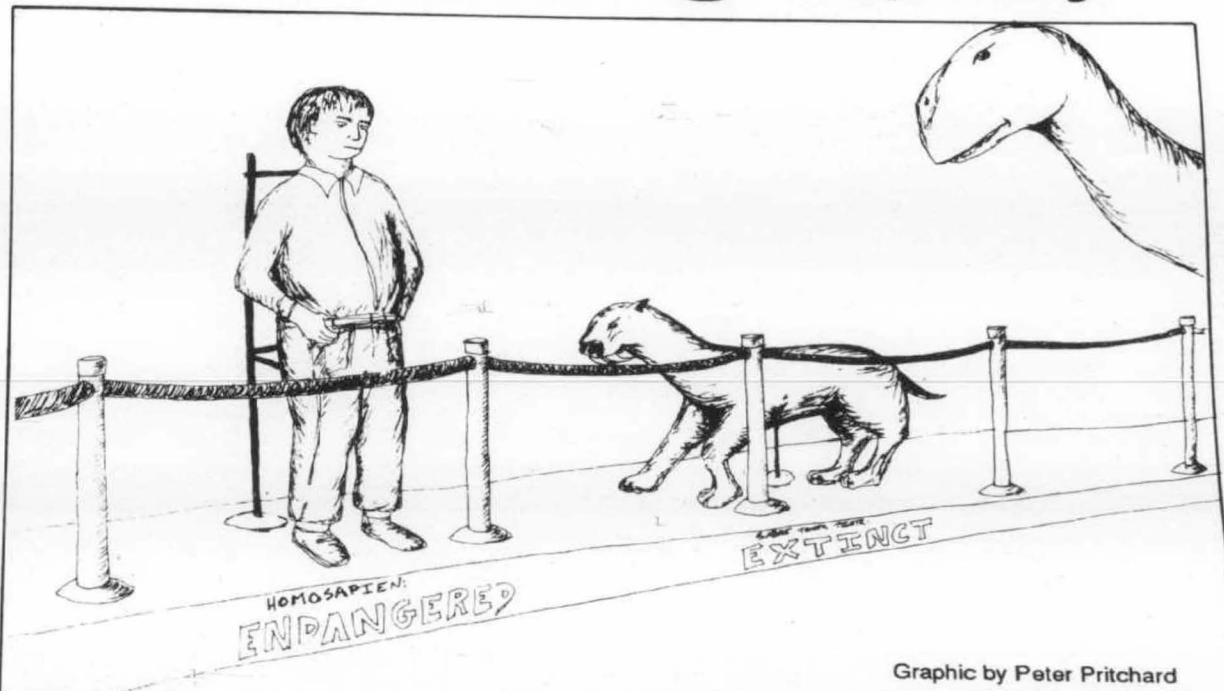
Quiroz agrees. "We're losing their habitats here in the U.S., Asia, Latin America — all over the world. If that habitat is gone, they won't show up here."

Species also are destroyed by poaching, or killing animals for their horn, meat or hide. "There are people who will kill a rhinoceros for its horn, using it to make a dagger handle, or thinking it to be some sort of aphrodisiac," Renfroe says. "It's ridiculous."

To help stop the extinction of endangered species, individuals can join an environmental organization, or simply be prepared to defend the ecosystem against pollution and exploitation.

"Individuals can fight to preserve species and their habitats by supporting such groups as the Nature Conservancy and the World Wildlife Fund," Renfroe says. "Local actions can have global impact."

To knowingly continue destroying animals and plants without realizing their significance could be self-destructive. "Not only does it represent a potential loss in food, medicine, other commercial products and aesthetic beauty," Renfroe says, "but because of the complex interdependence of life on this planet, it may represent the demise of our own species."



Graphic by Peter Pritchard

### Medical research

But aside from the moral questions involved in extinction, loss of species could also threaten the world's health. About half the drugs and medicines used to treat man's illnesses come from compounds found in wild plant and animal species, Renfroe says.

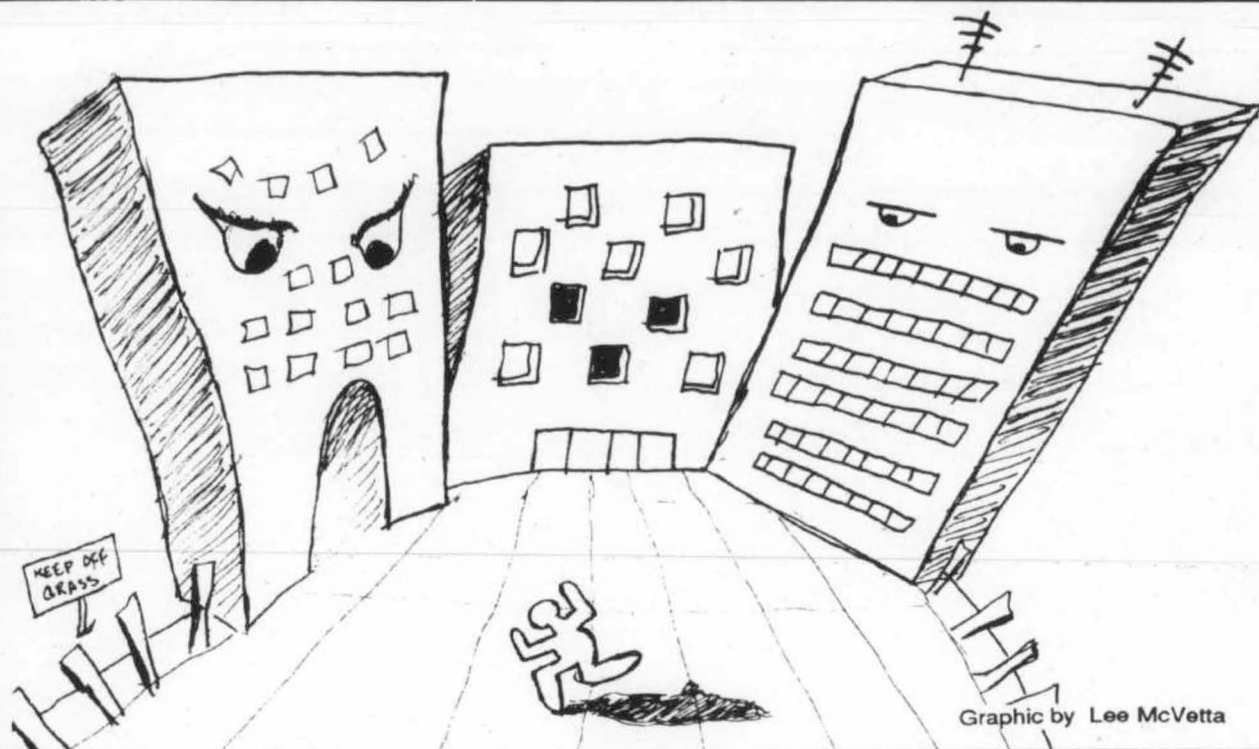
"There are definitely potentials for disease cures out there," he adds.

Bob Glasgow of the George Washington National Forest Service says, "Species are becoming extinct before we can see their use." Of the billions of existing plant species, only about 5 percent have been tested for possible industrial, agricultural or medical applications.

Cancer cures and perhaps an AIDS cure could be derived from plant or insect species found in the wild that are presently endangered or threatened — and someday they might vanish along with the plants and animals that produce them.

"The Rosy Periwinkle stops childhood leukemia; a nearly extinct desert fish is teaching us how to improve kidney dialysis; and a cure for leprosy is a fungus on the foot of an armadillo," Quiroz says.

Clampitt says, "Certain compounds found in some types of soybean may help reduce the effects of breast cancer." Since we're losing species that haven't been examined for all possible uses, he says, destroying them "is like killing the golden goose."



Graphic by Lee McVetta

## Suburbs still growing

By Matt Wasniewski

"Life's a mess out here," Nancy Larson said with exasperation. But she knows the cars, commuters and construction in her little suburb in Reston, Va., signal the coming of the ever-encroaching urban suburbia.

The city, originally planned to be a self-contained community, now is a city in its own right. And it has all the difficulties of a city, too.

Overcrowding is a problem, and "traffic is terrible . . . as it is throughout the rest of Northern Virginia," said Larson, who is president of the Reston Community Association.

And the rest of the metro area is facing the same problems.

In the late 1950s, Washington planners developed a system of "wedges and corridors" — on a map, it looks like a big wheel around the city with seven spokes — including interstates 95, 66, 270 and 50 — emanating from the center. These roads were to be the arteries, the main access corridors to the suburbs, which were to be a small group of residen-

tial, business and school zones also served by the D.C.'s mass transit system.

Now, Washington's once-distant suburbs have sprung up and overshadowed their Capital parent, creating one of the most affluent metropolitan areas in the nation. The high-tech big businesses of the 1990s, including aerospace, weapons, agriculture, bio-technology, energy and telecommunications companies, started moving into the area in the 1980s. Well-off communities, good schools, a pleasant lifestyle and proximity to the federal government contributed to the emigration.

Reston exemplifies this growth. It's a planned residential community, a "precedent-setting" town based on the idea of self-containment. It was hoped that Reston would combine business and residential areas in close proximity, eliminating rampant overdevelopment, traffic and commuting problems. It meant literally walking out the door to go to work.

### The growth in 1990

Wiltse said most of the projected development during the 1990s will occur along Route 1 and Interstate 95. He also said there should be continuing de-

velopment in western Fairfax and eastern Loudoun counties.

Saxe, of Hazel and Peterson, sees similar trends in the western suburbs.

"I think our business will be more oriented in the west part of the region — in Loudoun County and along the Dulles Access Road," he said. "But 95 is the corridor where things are going to happen."

Development along the already inadequate I-95 road system will cause numerous headaches to commuters and residents from the eastern part of Fairfax County and Prince William County. Unlike the western suburbs, most of the work will be re-development. Old structures will be torn down and the development will be less structured and more piecemeal than Reston, Tyson's Corner and Loudoun County.

Larson is leery of declaring an outright victory. She doubts the county's decision will set any sort of precedent.

"Who knows? I don't think it's going to set a precedent," Larson said. "We have won a certain victory . . . in a sense. We've caught the attention of the county and most of the media . . . and we've documented the fact that this is a severe question."

## Cleaning it up

## Pollution is new focus

By Rob Opet

Acid rain, the greenhouse effect, ozone thinning — they are the catchwords of the decade.

These words are flying everywhere for a simple reason — the world has realized environmental protection is not just a major issue.

In many ways, keeping the planet alive is the only issue.

And at the base of all these catchwords is one problem — pollution.

Currently, the pollution problem is debated in government legislatures, during executive board meetings, in United Nations committees — and at dining-room tables around the world.

But people must change the way they view their role in cleaning up pollution, according to Dr. Robin Teske, a JMU assistant professor of political science. A strong advocate of taking local action to solve environmental problems, Teske says we must cross a "perceptual threshold," where we learn to accept personal responsibility for our environment.

And organizations like Greenpeace, EARTH and various private corporations are joining the battle against pollution. Congress has passed regulations to limit pollution and emission levels with legislation like the Resource Conservation Act and the Clean Air and Clean Water acts.

Sophomore Beth Ising says one of EARTH's main objectives is to get people "thinking globally and acting locally," and learning the three principles of reducing solid waste: "Reuse, reduce, and recycle."

Recycling chairperson and president-elect of JMU EARTH, Ising says the group shows students tangible results gained by involvement in the environmental movement. EARTH has sponsored projects like cleaning up the railroad tracks and running a campus recycling center that has recycled over 3,800 pounds of aluminum and 12,000 pounds of newspapers. This was done with through the help of group members and other volunteers.

Ising says EARTH wants to serve as a role model both for students and other communities. The group is following the new regulations passed by

the Virginia Department of Waste Management. The regulations require all localities — counties, cities, towns, etc. — must recycle 10 percent of their solid waste by 1991, 15 percent by 1993, and 25 percent by 1995. These regulations specify the guidelines provided in a resolution recently handed down by the state legislature. EARTH hopes to spread awareness of the problems of pollution and show how individuals can make a difference.

An international organization known for gaining public awareness, sometimes by radical means, is Greenpeace. Erik Boardman, a sophomore at American University, worked for Greenpeace during the summer of 1989.

"Greenpeace's stand is to protect the environment, protect endangered species, and to push for total nuclear disarmament of the planet," says Boardman.

Changes are occurring as more people join to fight pollution. Boardman says companies like 3M are involved in extensive recycling programs in making products like video tapes and are reducing their waste output.

## Recycling needed right now

By Richard Stone

When today's consumers finish with their merchandise, they just throw it away.

But for consumers of the 1990s, trash won't be quite that easy to handle.

As the decade progresses, mandatory recycling, fueled by an increased sensitivity to environmental issues, is going to change the products we buy and the way we dispose of them.

"Sure, recycling requires effort, but people aren't going to have a choice one of these days," says Beth Ising, recycling director of EARTH, JMU's environmental-awareness group. Sooner than we think, the "waste crisis" is going to mandate "significant lifestyle changes" for American consumers, she says.

"We might as well start now," she says.

This issue is one born out of necessity. Current magazines like *Time*, *Newsweek* and *Environment* indicate the planet has taken all it can take. Land-

fills are full, and burying trash may just release dangerous gases.

Recycling may be the only option left — and any major program must begin with individual support.

"Recycling begins as a process of waste separation," Ising says.

Trash separation is already encouraged by city governments as close as Roanoke County. But in the '90s, household members will have to devise a system for separating clear glass from brown glass, newsprint from plastic, and steel cans from aluminum cans.

The resulting piles of refuse then will be taken to a recycling center by the family or the city.

Jack Gentile, JMU associate professor of geography and adviser to EARTH, says society must "institutionalize" recycling to make it effective.

"Up until now, the environment has been paying the price for consumerism, but we have to realize that the real cost of any product includes proper disposal — which means recycling," Gentile says.





## A growing JMU — versus the 'Burg

By Cindy Miller

In one week you've failed a calculus exam, written three papers, given two speeches for a public speaking class, and paid four parking tickets. Now you're driving down Main Street, bound for the Little Grill and already tasting the large nachos supreme, only 10 minutes away.

Or so you think.

The twelfth driver in line at the first stop light, you look ahead and can see the blinking brake lights of 100 cars moving 10 mph. Suddenly you realize the Little Grill and your large nachos supreme are more than a half hour away.

Although JMU has big plans for growth, Harrisonburg traffic is getting worse. And many residents wonder if both JMU and Harrisonburg can continue to absorb the changes.

One look at the architect's model of the College of Applied Science and Advanced Technology will tell you the new college will be no small addition.

Covering 110 acres to the north of the Convocation Center, the college is expected to bring 3,000 new students and 200 new faculty members to JMU within the next decade, said Gail Nardi, consultant to the president for new programs.

Current students and Harrisonburg residents alike are asking, "Where in the world are they going to put those people? We're already overcrowded." Students want to know where the new students are going to live, and Harrisonburg residents question, "Where are the new students and faculty going to drive?"

The planners of the college have thought about these concerns. According to Nardi and the architect's model, the new college will have about eight dormitories resembling the lakeside residence halls. Nardi says the new college will house "about two-thirds of its students," while the current JMU campus houses only 54 percent.

Jean Hobler, hall director of Chandler Hall, says "housing should be the number-one priority" when the new college is built.

With more students and faculty from other areas rolling into JMU, traffic is a major concern, according to Bob Sullivan, planning director of Harrisonburg.

City Council candidate Agnes Weaver agrees with Sullivan, but chuckles, "We have a joke in Harrisonburg that every student comes to JMU with two cars."

But Weaver says traffic is not a problem unique to Harrisonburg. "We have a problem keeping pace with growth because of the expense of roads."



Photo by Vasha Hunt

Bob Bersson, president of Citizens For Downtown, says the downtown traffic problem is "not with students, but with the lack of a bypass around downtown."

"The city is now working on some inner loops," according to Sullivan.

But JMU is not the only area community growing. According to Sullivan, Harrisonburg has been growing at a rate of about 2 percent each year, and he expects the total population to reach 40,000 by the end of the decade.

"Harrisonburg is going to experience a [population] boom in the next six years," says Jackie Wiedeman of Shannon and Luchs, a real estate agency in Northern Virginia. Wiedeman attributes the "boom" to inexpensive land in Harrisonburg and the hassle of living in Northern Virginia, where real estate is "bottoming out."

Weaver also says the area is beautiful, the taxes are low, and the hospital is central.

But Helen Hanson, president of the Harrisonburg Neighborhood Coalition suggests problems arise because "they don't coordinate their growth." And Weaver says the town and school have grown as "two separate entities."

In addition, developers are planning complexes without considering their impact on the Harrisonburg community, says Hanson. "They want to make their money," she says.

"Only the leadership of the city can control its growth — JMU can't," Nardi says. "Our job is to cooperate and communicate all the information we can to the city planners."

In spite of traffic and population problems, Bersson says growth at JMU will have no negative effect on the downtown area. "If anything," says Bersson, "university growth helps vitalize the downtown area." The university is close enough for students to support downtown activities helping both JMU and downtown, Bersson says. Students help bring in money for architectural restoration or downtown buildings, which is a main goal for Citizens for Downtown, he says.

Weaver says the students at JMU have been a major factor in the success of the Harrisonburg transit system. "The bus system is able to support itself because of [the demand from] all the students."

Nardi says the incoming students, faculty and staff will also contribute to the social success of Harrisonburg. "They'll be bringing new Boy Scouts and Girl Scouts, more Big Brothers and Big Sisters, more church members, and more hospital fund-drive workers." Hanson adds the new college will bring more job opportunities to Harrisonburg.

But all is still not well.

While JMU students and Harrisonburg residents are addressing the same concerns, they are finding themselves in relationships filled with growing tensions and often bitter anxieties.

"The housing crunch makes Harrisonburg residents very nervous because of the relationship between them and the students," Weaver says. "There have been confrontations," Hanson says.

"Younger adults live differently than older adults." Most complaints from residents, Hanson says, are about noise and behavior. "From time to time," Sullivan adds, "city police have been called." Sullivan recognizes high school students and even some adults are responsible for noise and vandalism.

Weaver says most JMU students come from upper-middle class homes and don't feel the neighborhoods in Harrisonburg are as valuable as their own. "Students don't respect the neighborhoods here," Weaver says. "But I don't think it's intentional. I just think it's a subconscious thing."

Weaver feels it's important to address the problems between the two communities without placing blame. She says the relationship between JMU and Harrisonburg "needs to be like a marriage." And like any marriage, "you have to work at it."

Weaver, Sullivan, Bersson, Nardi and Hanson all stress the importance of increased communication between Harrisonburg and JMU. "Communication is a constant struggle," says Sullivan.

## An expanding JMU...

By Lisa Crabbs

We'll have a new college — and a whole new set of smarter students — across the interstate.

To complete our research papers, we'll flip solely through computer screens, not bound periodicals.

And our majors will focus on public service, not money.

For the students of the 21st century, JMU will look and feel the same on the outside — but inside classrooms and across the interstate, JMU will focus on higher technology, closer personal relations and more interdisciplinary teaching.

JMU President Ronald Carrier said, "I would hope JMU campus life would be much like it is today."

"I hope it will still be a very student-centered campus with a friendly atmosphere and close faculty-student relationships, but with a twenty-first century kind of structure."

On the main campus, "Students will have more access to campus-wide information and communication through satellite technology and through access to library fax machines throughout the country," said Carrier.

"JMU will have campus-wide television that will not only connect students to all the major channels in this country, but also to those throughout the world."

Carrier said JMU also may be able to communicate with government leaders throughout the world through satellite press conferences.

"Certainly there will be more buildings to provide the classroom space and dormitories we will need."

Futuristic architecture and increased computer technology will add to JMU through the proposed College of Applied Science and Technology.

"The architecture is not gimmicky, and is not like the Blue-stone," said Gail Nardi, consultant to the president for new programs. "It is clearly connected with JMU's flavor of the

future."

Instead of a library, the college may have an improved retrieval and access system involving digital technology.

Nardi said the college is not just about technology, but it is about more conventional learning as well.

"Technology should be our servant, not our master," she said.

"We expect the new college to work as an improved building block in the development of JMU."

Carrier said as the budget

*"Tech should be our servant, not our master."*

— Gail Nardi

crunch hits JMU, the university will have to look at more efficient ways to operate without putting the extra burden on the students.

Alan Cerveny, director of admissions, said admissions to JMU will be even more competitive in the future.

"We are always concerned with strong, well-rounded students who will add to our vibrant, enthusiastic campus," he said.

"First and foremost we will still look at the student's performance in high school. We will consider all the same criteria such as the classes they have taken, their essays, outside activities and recommendations."

SATs will still be used as a measuring stick to put everyone on the same level, Cerveny said. "Our use of the SATs will probably remain the same as in the past."

"We expect the number of graduating seniors in Virginia to decrease while out-of-state interest in JMU increases."

But "We are more concerned with quality and credential," he said.

Continued use of technology may speed up the admissions process in the future.

"We can use computers to track down prospective students," he said.

But even with improved technology, the admission process will continue to be a personal one, Cerveny said.

In the College of Letters and Sciences, majors involving international affairs and the environment may be most popular in the 1990s.

"International affairs is our new major, and there has been an increasing interest due to recent events in Europe," said Doug Skelley, administrative intern to the dean of the College of Letters and Sciences. "Right now our biggest major

is political science, but I think a lot of them will convert to international affairs."

The aging world population and increased environmental awareness may make biology another popular major.

"More emphasis on external learning also will be seen at JMU," Skelley said. "Practicums and field work will increase in the '90s."

International business and finance are the two fastest growing programs in the College of Business.

In the College of Health and Human Sciences, majors such as speech pathology and non-teaching physical education may be most popular.

"Students want to help people and make other people's lives better," Dr. Julius Robertson, dean of the college said.

"I think classes on interpersonal relations and global studies will be important because of the changes in our world," he said. "I think there is a whole new awareness as the history of Eastern Europe is rewritten."

Carrier said there may be more simulations in the future, and students may spend more time talking about the value of a classroom with the professor and more time learning on their own.

## Technology college promises innovative learning center

By Tina Santoro

JMU proposed a new college last year — the College of Applied Science and Technology.

The college is scheduled to open in Fall 1994 and is JMU's response to former Gov. Gerald Baliles' recommendation that state schools prepare for an explosion of high school graduates at the turn of the century.

The new college will be aimed at the development of a "science, technology and society component in the curriculum," according to a report from the college's planning panel, a 14-member committee made up of college and university faculty from across the nation, Virginia business people, and one JMU student representative.

The college is to be built across Interstate 81 next to JMU's Convocation Center. Facilities will include not only academic buildings but dormitories, a dining hall and a post office.

JMU hopes to open the college in 1994 with an enrollment of 1,000 students, and to increase enrollment to 3,000 by the year 2000. This will increase the total enrollment at JMU by just under one-fourth — from 11,000 to 14,000 students, assuming there are no increases on the existing campus.

Specific classes and majors to be offered by the new college have not been decided, but the planning panel's report said the college's classes will stress broad, versatile understanding of the world, quantitative and analytical skills, experience in team investigation, and solid oral and written communication skills.

Also included is exposure to multi-national influences, sensitivity to a multi-cultural environment, and an understanding of the economic, societal and ethical contexts of technology decisions.

Instruction will focus more on team problem-solving and seminars, and less on traditional in-class lectures. JMU also hopes to promote interaction with and support from local businesses and organizations by having them come into the classroom as well as allowing the students into their facilities for a "hands on" type of learning.

Gail Nardi, consultant to JMU President Ronald Carrier for new programs, said the university is already working on prototype programs in preparation for the new college.

For example, the geology and geography departments may tackle environmental information analysis with computerized mapping.

